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HYDROGRAPHIC DATA FROM THE PILOT STUDY OF THE
COASTAL TRANSITION ZONE (CTZ) PROGRAM
17 - 26 March 1987

by

Paul F. Jessen
Steven R. Ramp
Carol A. Clark

January 1989

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INTRODUCTION

The data included in this report were collected as part of the pilot study for the Office of Naval Research (ONR) Coastal Transition Zone project during March 17-26, 1987. The study area encompassed the region from Pt. Reyes, California to Pt. St. George, Oregon from the coast to 150 km offshore. The planned sampling grid (Fig. 1) consisted of two alongshore sections 150 and 90 km offshore, a discontinuous alongshore section 60 km offshore, and four across shore sections. The across shore sections divided the sampling grid into three separate modules (A, B, and C in Fig. 1) and each module was completed before the next was begun to provide a near synoptic survey within each module. The actual sampling grid (Figs. 2 & 3) differed somewhat from the original due to weather and time constraints. A total of 96 CTD casts to 500 m depth and 55 XBT drops to 750 m were made.

The R/V PT SUR departed from Moss Landing, California on the morning of March 17, 1987 and arrived on station 1 (Fig. 2) at the southeast corner of module C at 0550 UT on March 18. From this point the ship proceeded around module C counterclockwise completing the eastern CTD section (stations 1-12, Fig. 2) followed by the northern (stations 12-16), western (stations 16-24), and southern (stations 27-30) sections. The survey of module C was completed by 2330 UT on March 19. The ship then moved inshore of module C occupying XBT stations 31, 101-112 (Fig. 3) and CTD stations 32, 35, 36, 39, and 40 (Fig. 2) on the way north to module B.

The CTD survey of module B began at 0630 UT on March 21 again at the southeast corner of the module at station 41 (Fig. 2). Following this cast, the ship proceeded north occupying the stations along the eastern edge of module B (stations 41-50, Fig. 2) followed by those along the northern (stations 50-54), western (stations 54-65), and southern (stations 65-69)

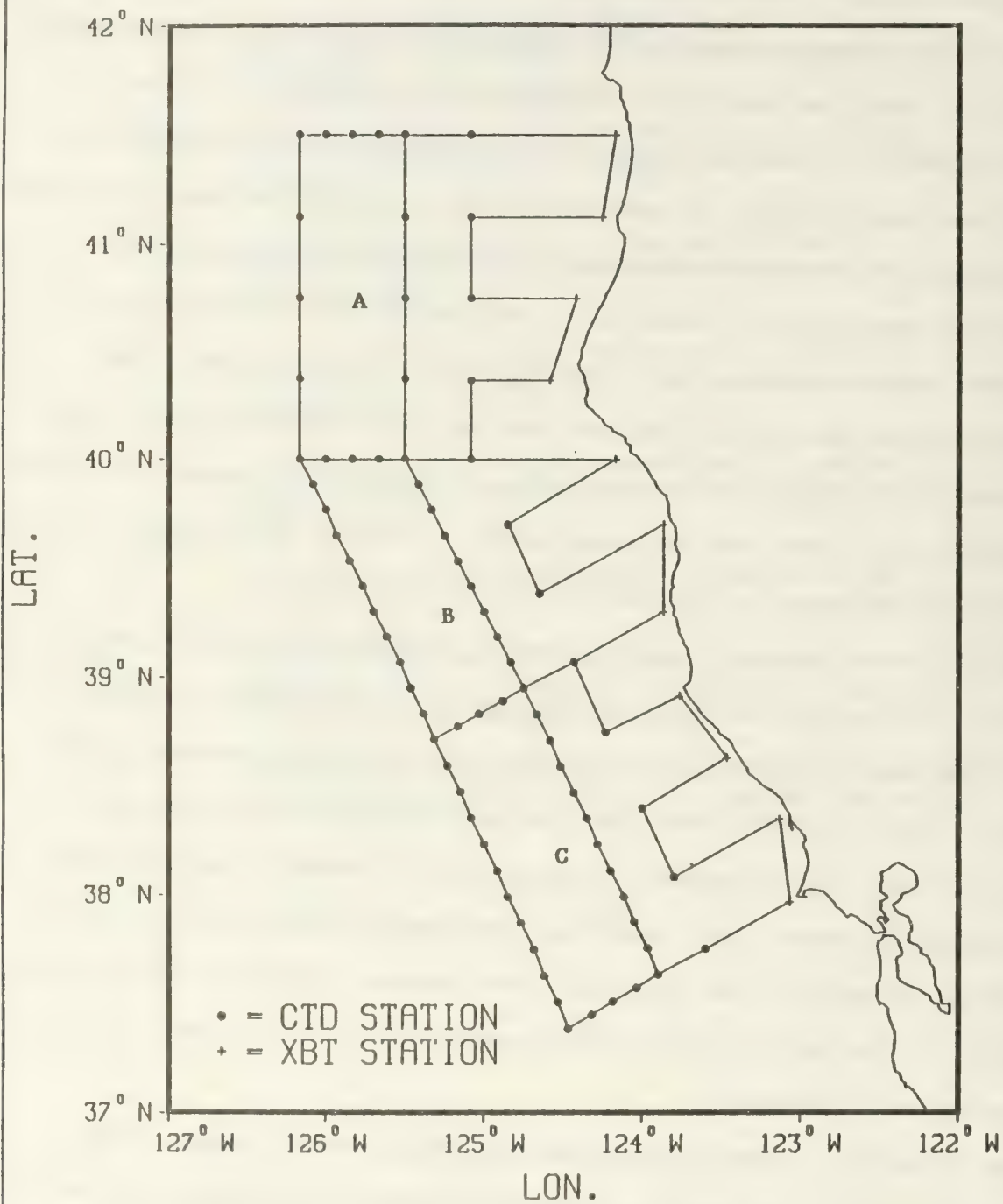


Figure 1. Planned CTD and XBT station locations for the Coastal Transition Zone (CTZ1) pilot study in 1987.

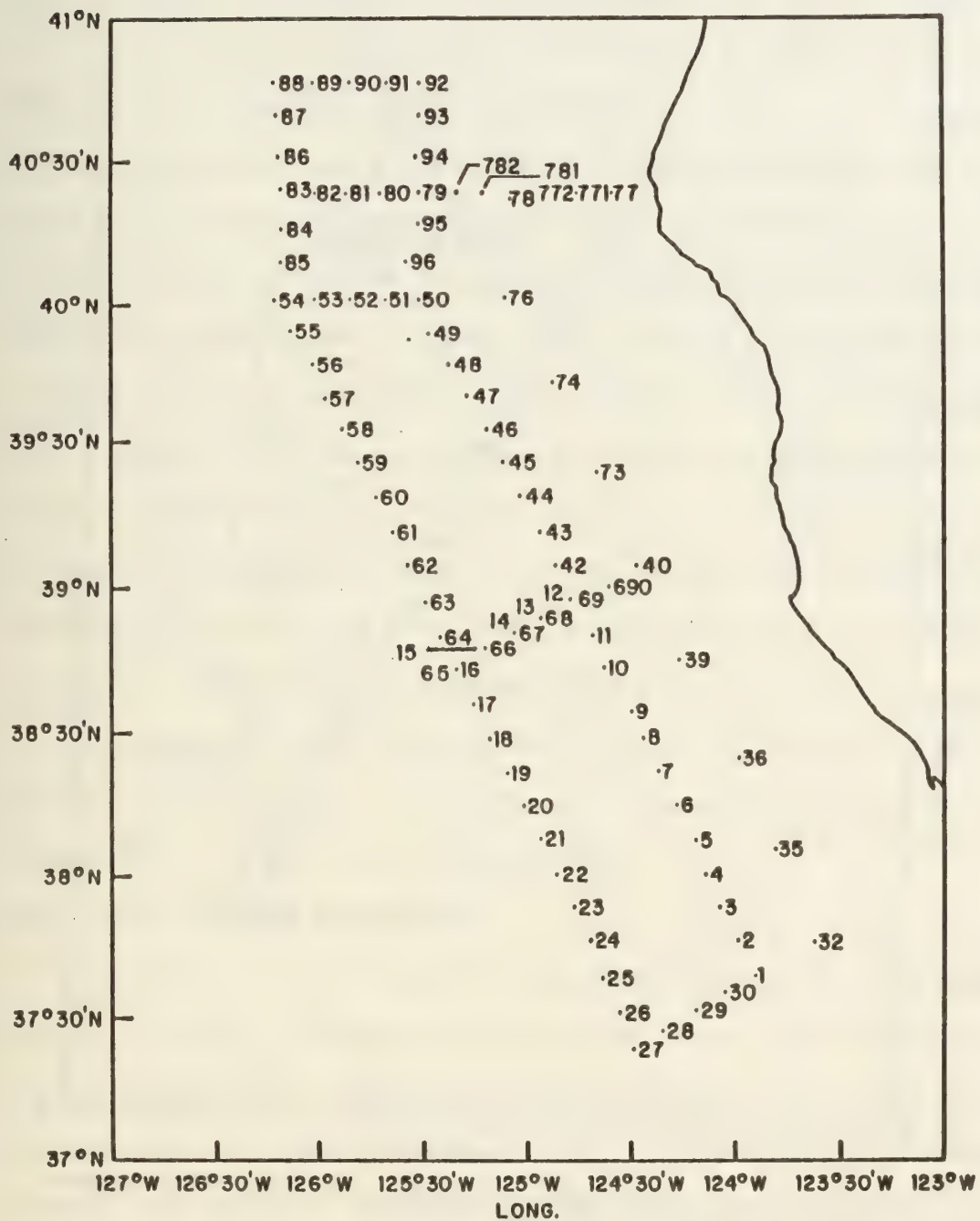


Figure 2. Actual CTD station numbers and locations for cruise CTZ1 during March 17-26, 1987 aboard the R/V PT SUR.

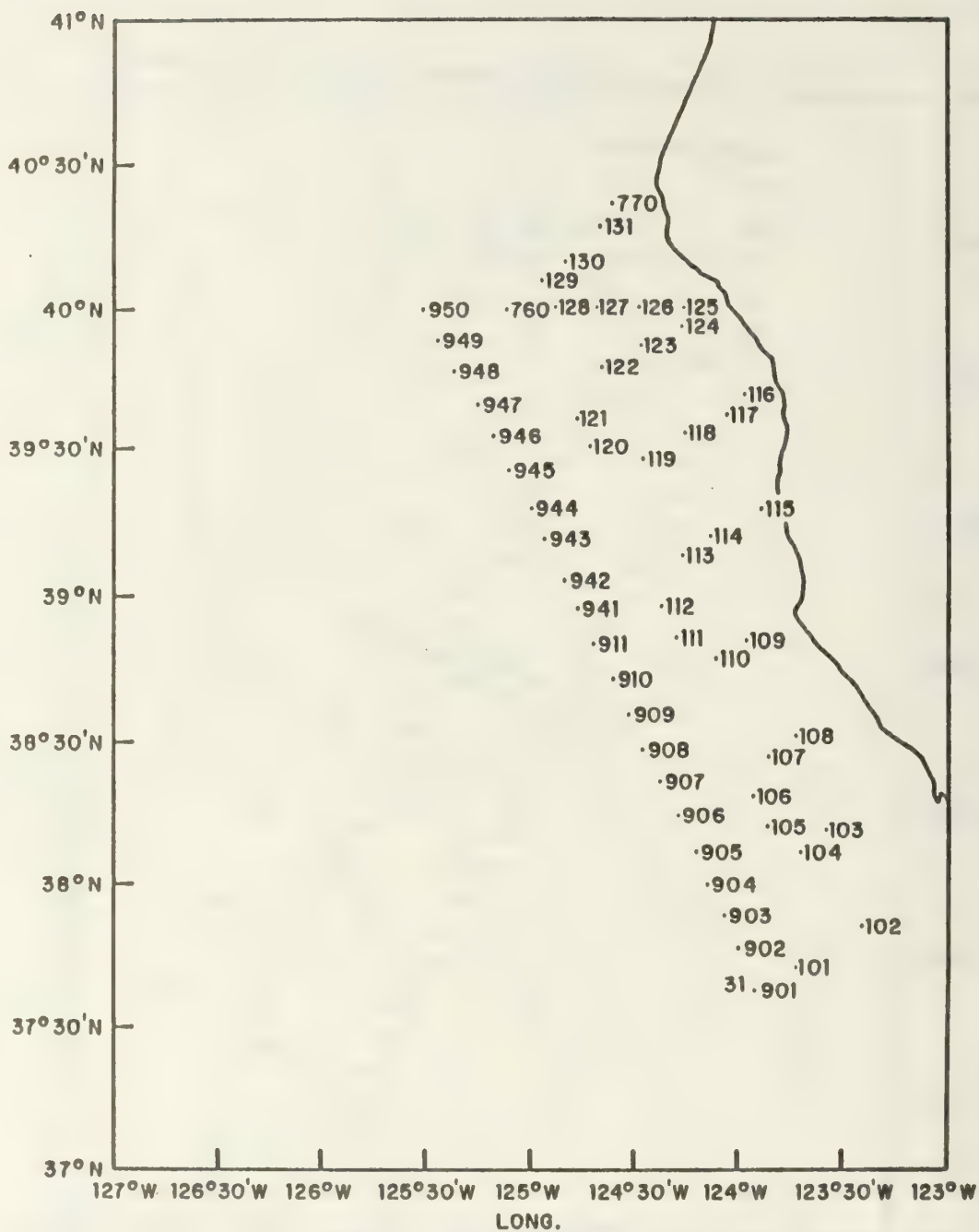


Figure 3. Actual XBT station numbers and locations for cruise CTZ1 during March 17-26, 1987 aboard the R/V PT SUR.

edges. The last CTD cast of module B (station 69, Fig. 2) was completed at 2320 UT on March 22. Following this more inshore CTD casts (stations 690, 70, 73, 74, 76, 77, 771, 772, 78, 781, and 782, Fig. 2) and XBT drops (113 - 128, 760, 129 - 131, and 770, Fig. 3) were made.

Due to time constraints all of the originally planned stations of module A could not be occupied. This module was begun at 1430 UT on March 24 at CTD station 79 (Fig. 2) and was occupied by steaming west across the module and then south completing CTD stations 80-85. The ship then turned back north and occupied stations 86 and 87. Next the northernmost cross shore section (stations 88-92, Fig. 2) was completed. Finally the ship proceeded south, occupied stations 93-96 and finished the last CTD station at 2330 UT on March 25. A section of XBT drops (950 - 901, Fig. 3) was made on the way back south through the center of the study area. A listing of all CTD and XBT stations occupied during the cruise is shown in Table 1.

The personnel on this cruise were; Dr. Steven R. Ramp (NPS), Mr. Jim Stockel (NPS), Mr. Paul Jessen (NPS), Dr. David C. Smith IV (NPS), Mr. Dan Sakoda (NPS), and Ms. Sheryl Fellbaum (NPS).

DATA ACQUISITION AND CALIBRATION

Hydrographic data was acquired using a Neil Brown Mark III-B CTD and Sippican T-4 XBTs. A General Oceanics rosette sampler was attached to the CTD and was equipped with twelve 5 liter Niskin bottles for in-situ water sampling. The CTD sampling rate was 32 Hz, but the acquisition software employed a latch filter which limited the number of data points collected during each cast to 4308. On the 500 m casts this resulted in the acquisition of 8 or 9 data points per meter of water. CTD data was acquired only on the downcast with a winch speed of approximately 30 m/min to 150 m then 60 m/min to 500 m. The data were acquired using an HP200 computer and stored on

Table 1. List of stations occupied during the Coastal Transition Zone (CTZ1) pilot study, showing date, time, type, location, and weather.

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind Dir Spd(m/s)	Air (°C)	Dew pt. (°C)
March 18	0550	1	CTD	37 37.9	123 54.3	010 7.8	11.18	10.20
	0723	2	CTD	37 45.7	123 58.0	336 10.2	11.36	7.16
	0857	3	CTD	37 52.9	124 3.7	321 9.5	11.70	5.50
	1019	4	CTD	37 59.2	124 8.0	328 10.7	11.26	5.77
	1142	5	CTD	38 6.9	124 10.1	307 9.3	10.67	4.71
	1319	6	CTD	38 14.5	124 16.5	292 12.0	10.56	5.47
	1449	7	CTD	38 21.4	124 21.8	336 10.6	10.98	5.32
	1617	8	CTD	38 28.9	124 25.5	294 9.9	12.44	4.12
	1751	9	CTD	38 34.0	124 28.7	315 11.9	11.81	3.14
	1922	10	CTD	38 43.0	124 36.9	020 5.8	11.52	3.86
	2046	11	CTD	38 50.1	124 39.4	329 7.4	10.27	4.76
	2209	12	CTD	38 57.4	124 44.0	307 7.8	9.35	4.41
	2324	13	CTD	38 53.2	124 53.6	333 8.1	12.17	4.45
March 19	0038	14	CTD	38 50.4	125 1.1	293 10.1	11.19	3.16
	0152	15	CTD	38 47.0	125 9.6	309 8.8	10.04	3.17
	0313	16	CTD	38 43.0	125 19.1	319 10.4	10.87	2.46
	0436	17	CTD	38 35.6	125 14.4	315 10.1	9.51	3.57
	0612	18	CTD	38 28.5	125 9.8	305 11.2	9.69	3.31
	0735	19	CTD	38 21.2	125 5.1	297 11.4	9.51	2.45
	0856	20	CTD	38 14.3	124 59.9	301 11.0	10.09	3.75
	1012	21	CTD	38 7.4	124 55.5	237 9.7	8.99	4.85
	1138	22	CTD	37 59.6	124 50.2	331 11.2	10.86	2.56
	1305	23	CTD	37 52.1	124 45.7	360 10.2	8.93	3.99
	1425	24	CTD	37 45.5	124 41.0	192 13.6	10.23	3.84
	1555	25	CTD	37 37.3	124 37.5	349 14.3	10.34	4.78
	1719	26	CTD	37 30.7	124 31.8	354 12.0	11.19	3.01
	1854	27	CTD	37 23.0	124 28.1	342 10.3	10.97	3.21
	2018	28	CTD	37 26.7	124 20.0	320 11.4	11.13	2.94
	2143	29	CTD	37 31.0	124 10.2	324 12.9	11.00	3.36
	2259	30	CTD	37 34.6	124 2.1	308 12.7	12.55	3.88
March 20	0028	31	XBT	37 38.3	123 53.2	316 12.3	11.61	3.85
	0300	101	XBT	37 42.1	123 43.5		11.1	3.7
	0415	32	CTD	37 45.2	123 36.5	336 12.4	10.35	4.46
	0615	102	XBT	37 50.7	123 24.2		10.0	4.8
	1328	103	XBT	38 11.0	123 34.8		9.6	4.1
	1406	104	XBT	38 7.4	123 41.8		9.5	4.5
	1450	35	CTD	38 5.0	123 48.2	006 7.2	9.56	3.99
	1606	105	XBT	38 11.6	123 51.3		10.2	3.6
	1653	106	XBT	38 18.3	123 55.3		10.2	3.0
	1740	36	CTD	38 24.6	123 58.5	319 2.6	9.93	2.84
	1848	107	XBT	38 27.6	123 51.2	086 0.7	9.42	4.52
	1932	108	XBT	38 30.9	123 43.4		9.3	3.5
March 21	0005	109	XBT	38 50.5	123 57.7		10.2	4.6
	0048	110	XBT	38 47.7	124 6.2		8.4	3.8
	0130	39	CTD	38 45.0	124 14.0	183 12.4	8.59	3.74
	0242	111	XBT	38 51.2	124 17.5		8.2	4.9
	0325	112	XBT	38 57.7	124 21.3		9.0	5.8
	0410	40	CTD	39 4.0	124 25.9	164 12.8	8.86	5.88

Table 1. (continued)

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind Dir Spd(m/s)		Air (°C)	Dew pt. (°C)
March 22	0634	41	CTD	38 56.9	124 45.1	303	8.2	8.89	2.72
	0752	42	CTD	39 4.0	124 49.4	298	9.9	9.58	1.30
	0913	43	CTD	39 11.1	124 54.5	306	9.4	9.26	3.09
	1036	44	CTD	39 18.2	124 59.4	293	9.7	9.12	2.53
	1158	45	CTD	39 25.3	125 4.3	263	8.8	8.76	3.13
	1326	46	CTD	39 32.2	125 9.2	269	9.2	7.32	3.78
	1502	47	CTD	39 39.8	125 14.4	308	11.2	8.42	3.67
	1715	48	CTD	39 46.7	125 19.8	293	11.7	8.46	3.69
	1836	49	CTD	39 52.9	125 25.1	286	11.5	10.00	4.57
	2008	50	CTD	40 0.3	125 28.7	286	13.3	10.16	3.63
	2142	51	CTD	40 0.4	125 38.7	327	3.9	8.55	3.97
	2308	52	CTD	40 0.4	125 48.7	295	7.6	9.96	4.71
	0032	53	CTD	40 0.4	125 58.8	338	7.1	10.31	4.98
	0225	54	CTD	40 0.0	126 10.2	007	13.0	11.35	5.02
	0346	55	CTD	39 53.4	126 5.4	174	9.1	9.96	5.74
	0509	56	CTD	39 46.4	125 59.6	079	10.7	10.00	4.99
	0629	57	CTD	39 39.0	125 56.0	062	4.8	9.83	5.45
	0802	58	CTD	39 32.6	125 51.0	032	5.6	9.75	4.98
	0940	59	CTD	39 25.3	125 46.4	001	5.9	9.71	5.00
	1111	60	CTD	39 18.1	125 42.1	347	5.5	9.88	5.07
	1301	61	CTD	39 11.0	125 37.1	014	3.6	9.82	4.84
	1422	62	CTD	39 3.9	125 32.8	324	3.8	9.92	4.26
	1544	63	CTD	38 57.0	125 28.1	346	2.9	10.28	4.45
	1700	64	CTD	38 49.7	125 23.4	202	1.3	10.25	5.27
	1818	65	CTD	38 43.5	125 17.9	211	3.0	10.49	4.55
	1926	66	CTD	38 47.0	125 10.4	224	3.8	10.62	4.88
	2038	67	CTD	38 50.3	125 1.0	195	5.4	10.62	5.04
	2146	68	CTD	38 53.5	124 53.5	186	4.3	10.55	4.99
	2256	69	CTD	38 56.9	124 44.9	200	5.3	10.59	4.96
March 23	0008	690	CTD	39 0.1	124 35.4	203	7.0	10.45	4.52
	0127	70	CTD	39 4.1	124 25.5	115	6.5	10.03	5.62
	0241	113	XBT	39 8.2	124 15.6			9.7	6.5
	0330	114	XBT	39 11.7	124 7.6			10.0	5.9
	0448	115	XBT	39 17.6	123 52.8			9.4	5.9
	0753	116	XBT						
	0818	117	XBT	39 37.9	124 2.9			8.4	7.2
	0930	118	XBT	39 32.9	124 15.2			10.2	9.3
	1048	119	XBT	39 27.4	124 26.8			12.6	4.0
	1205	73	CTD	39 23.1	124 38.2	003	13.5	11.87	4.14
	1341	120	XBT	39 30.1	124 42.1			11.4	3.8
	1456	121	XBT	39 36.1	124 46.2	330	15.3	11.93	3.60
	1615	74	CTD	39 42.4	124 50.6	346	13.4	11.05	3.86
	1807	122	XBT	39 47.2	124 38.7	337	10.5	11.2	1.8
	1918	123	XBT	39 51.8	124 27.5			12.5	4.2
March 24	2030	124	XBT	39 56.9	124 15.8			11.3	4.3
	2153	125	XBT	40 0.4	124 15.9			11.7	3.8
	2300	126	XBT	40 0.3	124 28.0			12.7	4.1
	0006	127	XBT	40 0.4	124 40.1			12.6	4.1
	0111	128	XBT	40 0.3	124 52.1			12.1	5.2

Table 1. (continued)

Date	Time (UT)	Stn No.	Type	Latitude		Longitude		Wind Dir Spd(m/s)		Air (°C)	Dew pt. (°C)
March 25	0220	76	CTD	40	0.3	125	4.2	354	11.4	11.39	4.39
	0248	760	XBT	39	59.9	125	5.6			11.4	4.4
	0348	129	XBT	40	5.7	124	56.0			10.1	5.3
	0436	130	XBT	40	9.8	124	49.3			10.1	5.7
	0542	131	XBT	40	8.3	124	38.9	344	13.4	10.29	4.49
	0611	770	XBT	40	21.8	124	34.6			10.9	4.6
	0639	77	CTD	40	22.4	124	34.5	350	10.8	10.01	4.78
	0804	771	CTD	40	22.5	124	43.5	350	11.3	10.70	4.36
	0932	772	CTD	40	22.4	124	53.8	359	12.0	10.73	4.16
	1042	78	CTD	40	22.4	125	3.7	357	9.9	10.51	4.05
	1206	781	CTD	40	22.9	125	12.5	003	12.9	10.42	4.56
	1315	782	CTD	40	23.0	125	20.8	358	11.1	11.24	5.44
	1423	79	CTD	40	23.0	125	28.9	350	10.6	11.18	4.55
	1543	80	CTD	40	22.8	125	39.9	003	11.1	11.08	4.45
	1700	81	CTD	40	22.5	125	50.1	348	13.5	11.19	4.39
	1819	82	CTD	40	23.0	125	59.5	011	10.1	11.42	4.75
	1935	83	CTD	40	23.5	126	8.6	357	10.2	12.15	4.77
	2044	84	CTD	40	15.6	126	8.5	354	10.9	10.91	4.73
	2158	85	CTD	40	8.4	126	8.6	350	11.4	11.25	5.04
	0109	86	CTD	40	30.5	126	8.8	334	12.1	11.38	4.76
	0244	87	CTD	40	38.5	126	9.7	347	11.1	10.93	4.24
	0407	88	CTD	40	45.1	126	10.2	347	11.7	10.22	4.93
	0533	89	CTD	40	45.4	125	59.7	341	12.3	9.91	4.72
	0700	90	CTD	40	45.6	125	48.3	331	12.0	10.39	5.43
	0832	91	CTD	40	45.6	125	38.3	348	12.6	10.66	5.01
	0958	92	CTD	40	45.6	125	28.4	358	12.3	10.44	6.09
	1114	93	CTD	40	38.5	125	28.3	350	11.9	9.93	5.87
	1233	94	CTD	40	30.5	125	28.7	003	10.9	10.16	6.34
	1352	791	CTD	40	22.9	125	28.5	356	10.4	9.94	6.15
	1511	95	CTD	40	16.5	125	29.1	349	11.6	10.61	5.74
	1623	96	CTD	40	8.4	125	32.3	347	13.1	10.65	5.88
	1748	950	XBT	39	59.9	125	28.2			10.5	7.0
	1830	949	XBT	39	53.2	125	24.7			11.5	6.9
	1911	948	XBT	39	46.3	125	19.6			11.7	7.3
	2000	947	XBT	39	39.1	125	13.5			12.3	7.1
	2041	946	XBT	39	32.5	125	8.6			12.3	7.5
	2123	945	XBT	39	25.2	125	4.5			11.6	7.9
	2211	944	XBT	39	17.3	124	58.4			12.3	7.9
	2253	943	XBT	39	11.2	124	53.8			12.5	7.9
	2341	942	XBT	39	3.2	124	47.9			12.6	8.4
March 26	0023	941	XBT	38	57.1	124	44.8			13.2	8.2
	0106	911	XBT	38	49.8	124	40.3			13.5	8.2
	0153	910	XBT	38	43.1	124	35.1			13.5	8.4
	0236	909	XBT	38	35.9	124	30.2			12.6	8.2
	0330	908	XBT	38	28.2	124	25.7			12.9	7.2
	0411	907	XBT	38	21.6	124	20.8			12.1	7.4
	0453	906	XBT	38	14.5	124	15.6			12.3	7.5
	0541	905	XBT	38	6.6	124	10.8			12.0	8.2
	0623	904	XBT	38	0.0	124	7.0			12.7	8.5

Table 1. (continued)

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind		Air (°C)	Dew pt. (°C)
						Dir	Spd(m/s)		
	0706	903	XBT	37 53.1	124 2.3			12.1	9.0
	0748	902	XBT	37 46.4	123 58.3			12.4	9.6
	0841	901	XBT	37 38.3	123 52.8			12.5	9.5

3.5 inch diskettes. Upon return the data were transferred to 9 track tape and then processed on an IBM 3033 mainframe computer.

In addition to the CTD and XBT data, an underway data acquisition loop recorded 30 second averages of sea surface temperature and salinity, sea surface skin temperature, wind speed and direction, air temperature, and dew point temperature. The sensors used to acquire this data included Seabird temperature and conductivity sensors for the sea surface temperature and salinity, a Rosemount 100 ohm platinum resistance thermometer for the sea surface skin temperature, a Young anemometer for the wind speed and direction, and a General Eastern dewpoint sensor for the air and dewpoint temperatures. The underway data was acquired on an HP9816 computer and recorded on 3.5 inch diskettes. Like the CTD data, the underway data were transferred to 9 track tape upon return and processed on the IBM mainframe.

The temperature, conductivity, and pressure sensors on the CTD and the temperature and conductivity sensors of the underway sampling system were calibrated shortly before the cruise. The pressure calibration was carried out using a Chandler Engineering dead weight tester as a standard. At 10 equally spaced pressures from 50 to 500 db indicated pressures from the standard and the CTD sensor were recorded. The differences between recorded values were within the stated accuracy of the sensor (± 1.6 db) so no pressure correction was applied.

The temperature calibration was done using a Seabird temperature sensor as a standard. This standard sensor is recalibrated by the manufacturer approximately every six months. A temperature bath of 70 - 80 liters of fresh water in an insulated tub was used to compare the standard and sample sensors at 1°C increments from 0 - 20°C . 30 data points were collected at each temperature and averaged to yield a single value at each temperature for each

sensor. Regression analysis was then used to calculate the calibration coefficients for each sample sensor. The correction for the CTD sensor was linear with coefficients of 0.998543 (slope) and 0.047536 (intercept). The best correction for the underway temperature sensor was a second degree polynomial fit with coefficients of 0.022502, 0.998798, and 0.000186.

The conductivity calibration was carried out using a Guildline Model 8400 Autosol as a standard. A constant conductivity bath was used to compare the standard and sample sensor conductivities at five different conductivity levels. 10 samples were taken at each conductivity level and averaged to yield a single value for each sensor at each conductivity level. Regression analysis was run comparing the sample sensor conductivities (CTD and underway) with the standard sensor conductivities (Autosal). A linear correction was found for the CTD sensor with coefficients of 1.023828 (slope) and 0.005897 (intercept). The best fit for the underway conductivity sensor was a second degree polynomial correction with coefficients of -0.195354, 1.03073, and -0.000183.

A total of 61 water samples were taken at 8 CTD stations for post cruise calibration. The CTD pressure, conductivity and temperature were noted as each sample was taken. These numbers, after applying the pre-cruise calibration coefficients, were used to calculate salinity and the results compared with the water sample salinities calculated using the Guildline Model 8400 Autosol in the laboratory. In order to avoid erroneous comparisons due to ship roll in areas of high vertical salinity gradients, samples were eliminated from consideration if the salinity within 2 meters of the nominal sample depth changed more than 0.01 PSU. The number of comparable points was reduced to 35 by this constraint. The differences between Autosol calculated salinities and those from the CTD are listed in Table 2. The mean difference

Table 2. Differences between salinities calculated using the corrected CTD pressure, temperature, and conductivity readings and those of the water samples at the same depth measured by the Guildline Autosol.

STA	Z	CTD SAL	SAMPLE SAL	DIFFERENCE
2	502	34.186	34.185	0.001
	349	34.081	34.084	-0.001
	25	33.161	33.153	0.008
	4	32.994	32.997	-0.003
17	501	34.138	34.140	-0.002
	200	33.948	33.955	-0.007
	25	32.787	32.789	-0.002
	3	32.792	32.791	0.001
32	493	34.915	34.209	-0.014
	350	34.080	34.086	-0.006
	25	32.884	32.883	0.001
	2	32.882	32.882	0.000
50	201	33.964	33.976	-0.012
	49	32.673	32.671	0.002
	25	32.667	32.669	-0.002
	4	32.669	32.672	-0.003
67	505	34.134	34.138	-0.004
	45	32.835	32.839	-0.004
	24	32.831	32.835	-0.004
	2	32.844	32.840	0.004
84	498	34.104	34.105	-0.001
	347	33.997	33.999	-0.002
	200	33.907	33.908	-0.001
	149	33.745	33.744	0.001
	50	32.629	32.630	-0.001
	2	32.625	32.626	-0.001
90	493	34.102	34.108	-0.006
	352	33.995	33.996	-0.001
	50	32.643	32.640	0.003
	4	32.636	32.634	0.002
96	506	34.080	34.084	-0.004
	203	33.878	33.880	-0.002
	49	32.732	32.734	-0.002
	4	32.725	32.724	0.001

was less than 0.002 with a range of -0.014 to 0.008. No further adjustments were made to the CTD conductivities.

DATA PROCESSING

After the raw CTD data was transferred to the IBM 3033 mainframe computer at the Naval Postgraduate School, temperature and conductivity corrections were applied to produce profiles of corrected pressure, temperature, and conductivity. Salinity was calculated from these corrected values according to the algorithm of Lewis and Perkin (1981). Severe spiking due to system malfunctions was eliminated from the salinity signal with a search for vertical salinity gradients greater than 1.0 PSU/m. Points that were determined to be bad were replaced using linear interpolation. Time lag spikes were eliminated by discarding salinity data in regions where the vertical temperature gradient exceeded 0.2° C/m and replacing the discarded data with linearly interpolated values. Finally the data were averaged within 1 m intervals and visually examined for any remaining outliers missed during processing. If found, these points were replaced with linearly interpolated values.

DATA PRESENTATION

The originally planned station positions and cruise track are shown in Fig. 1. The actual CTD station numbers and positions, and XBT station numbers and positions are shown in Figs. 2 and 3 respectively. A map of hourly averaged wind vectors during the cruise is presented in Fig. 4.

Hydrographic data are presented in the form of horizontal maps, vertical sections, and profiles.

Maps of surface temperature, salinity, and dynamic height relative to 500 db are presented in Fig. 5-7 respectively. The surface temperature and salinity data are from the continuous underway system and not from the CTD or

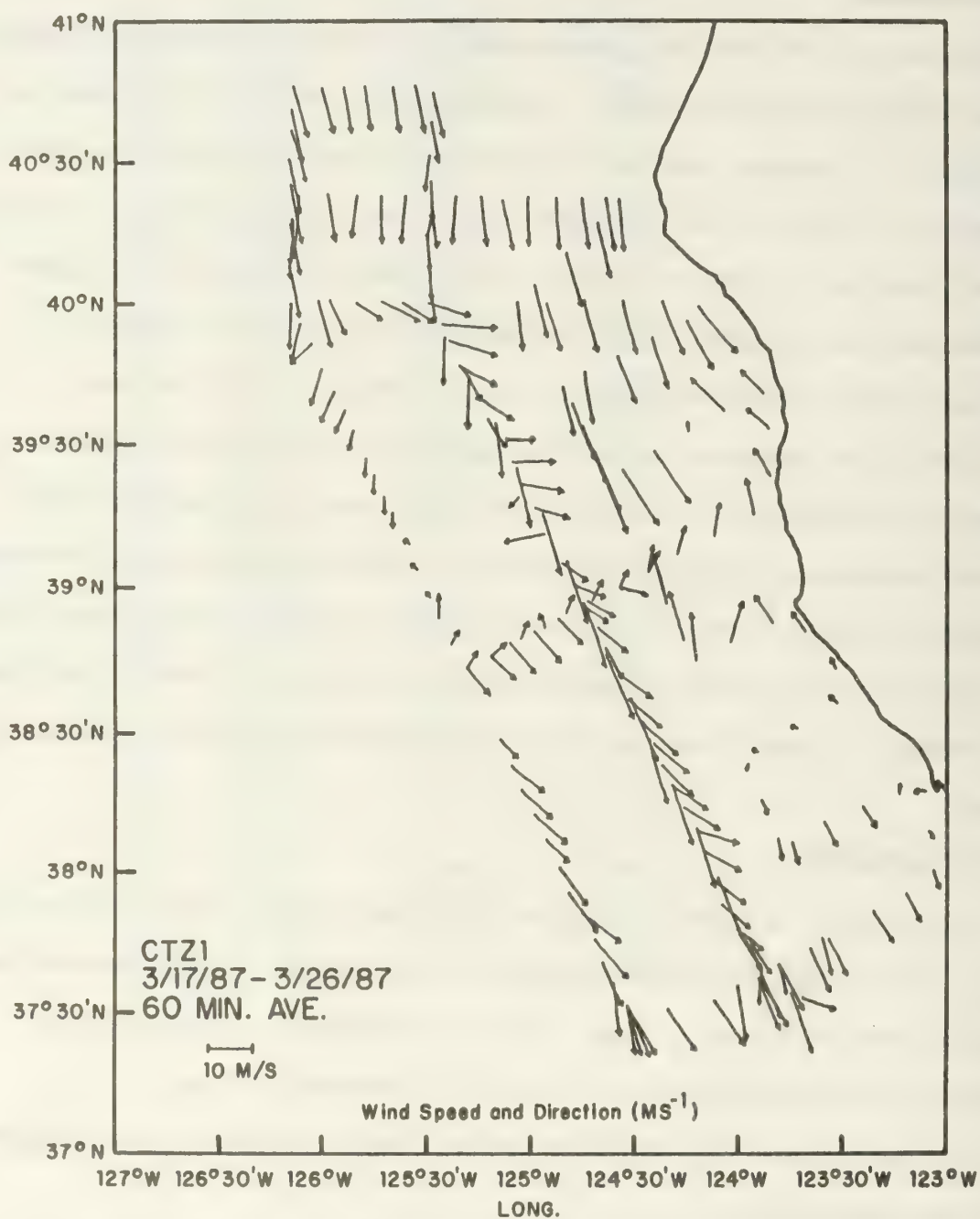


Figure 4. Hourly average of wind speed and direction measured at 10 m height from the R/V PT SUR during cruise CTZ1.

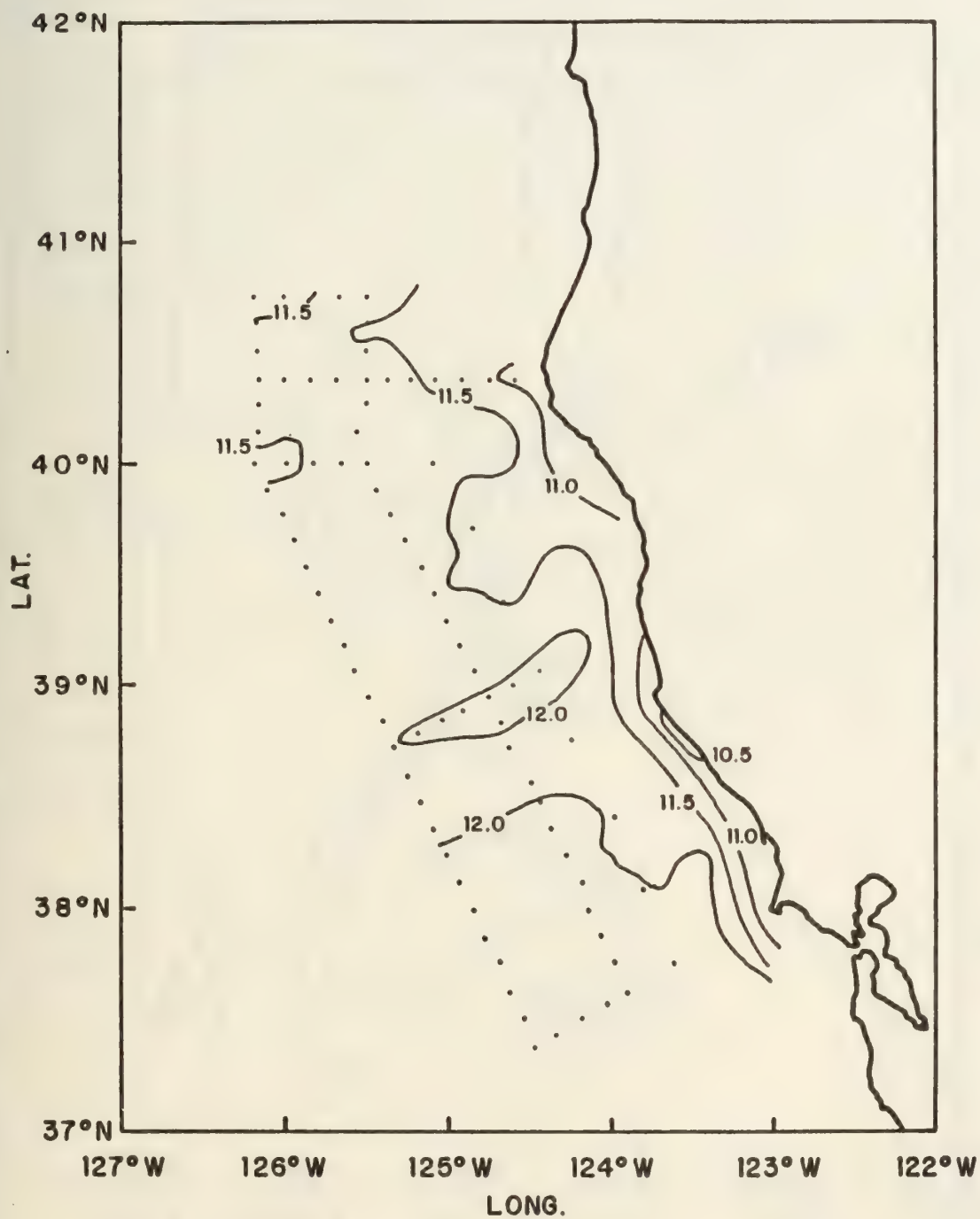
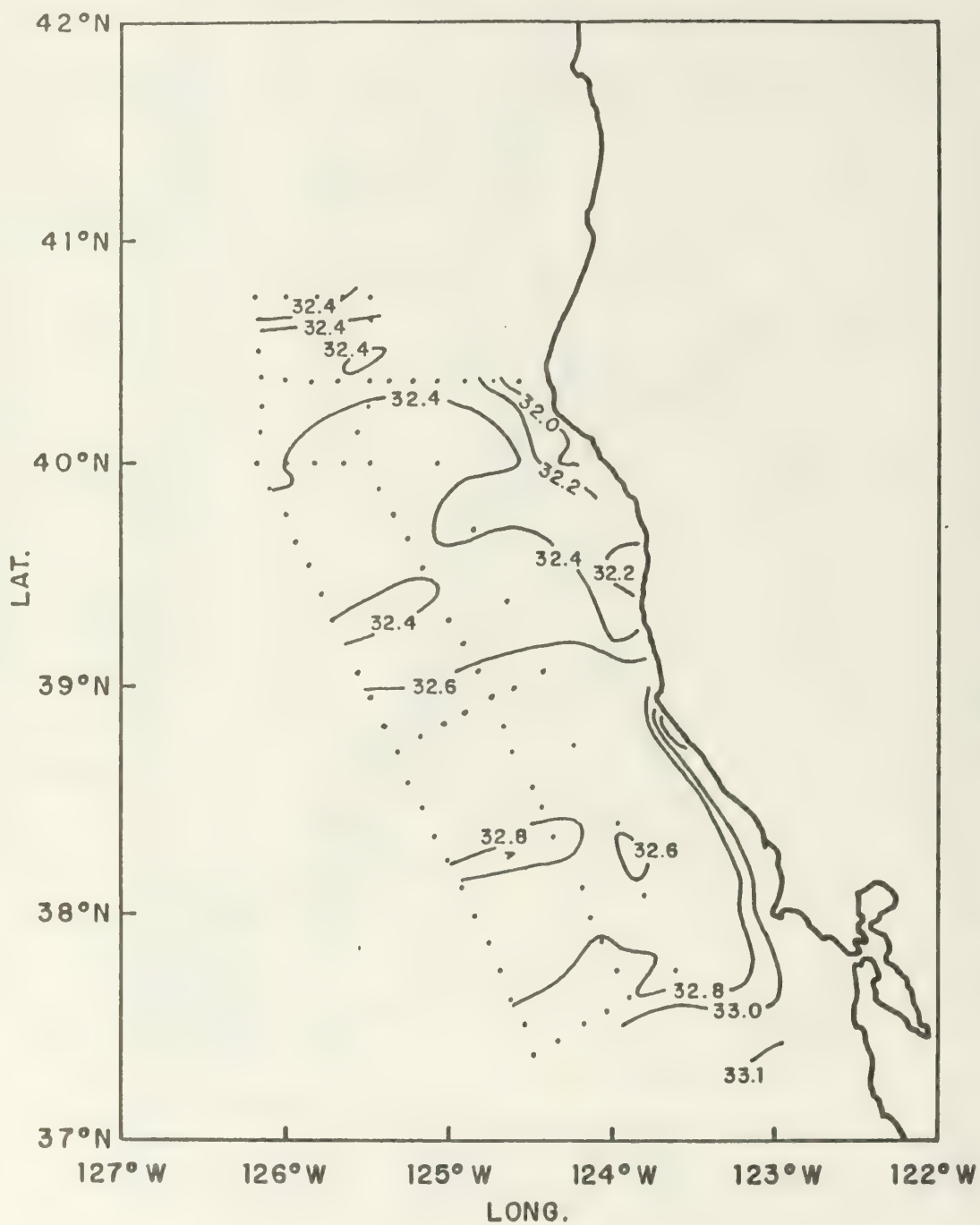


Figure 5. Map of surface temperature during cruise CTZ1, March 17-26, 1987.



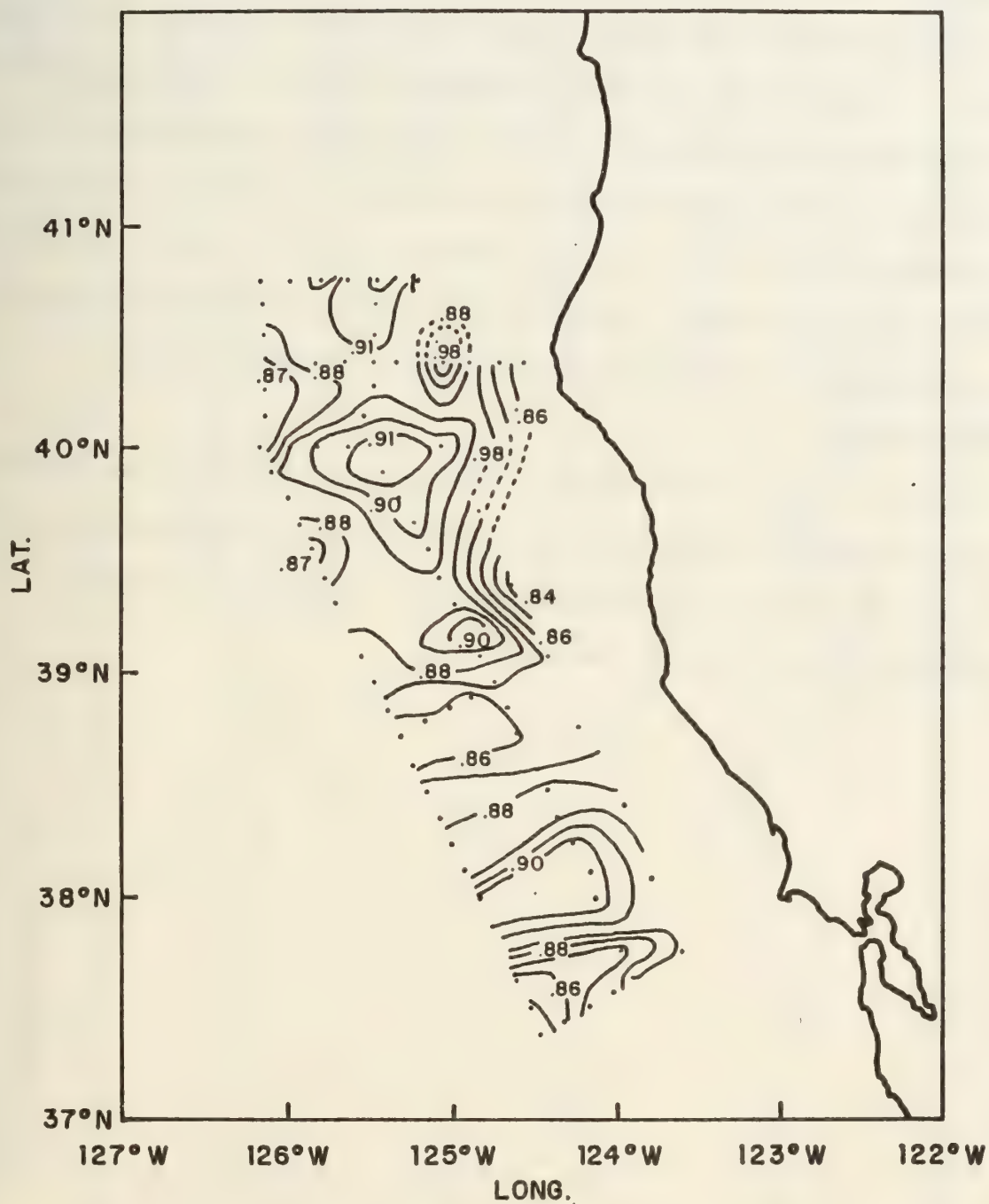


Figure 7. Map of the dynamic height at the surface relative to 500 db during cruise CTZ1, March 17-26, 1987.

XBT data.

Vertical sections of temperature, salinity, and the density anomaly at atmospheric pressure (UNESCO, 1987) from the CTD data are shown in Figs. 8-19. Sections from module A are shown in Figs. 8-11, module B in Figs. 12-15, and module C in Figs. 16-19. Fig. 20 is a vertical section of temperature from the XBT drops made through the middle of the study area on the return trip.

Selected data from each CTD cast is presented along with a vertical profile of temperature, salinity, and density anomaly in Fig. 21. Fig. 22 presents the XBT data in the same form. In these two figures an asterisk next to a point in the data listing indicates that the point is an interpolated value.

ACKNOWLEDGEMENTS

The station plan shown in Figure 1 was designed and provided to the Naval Postgraduate School by Mike Kosro and Jane Huyer of Oregon State University. This work was supported by the Office of Naval Research and the Naval Postgraduate School Research Foundation.

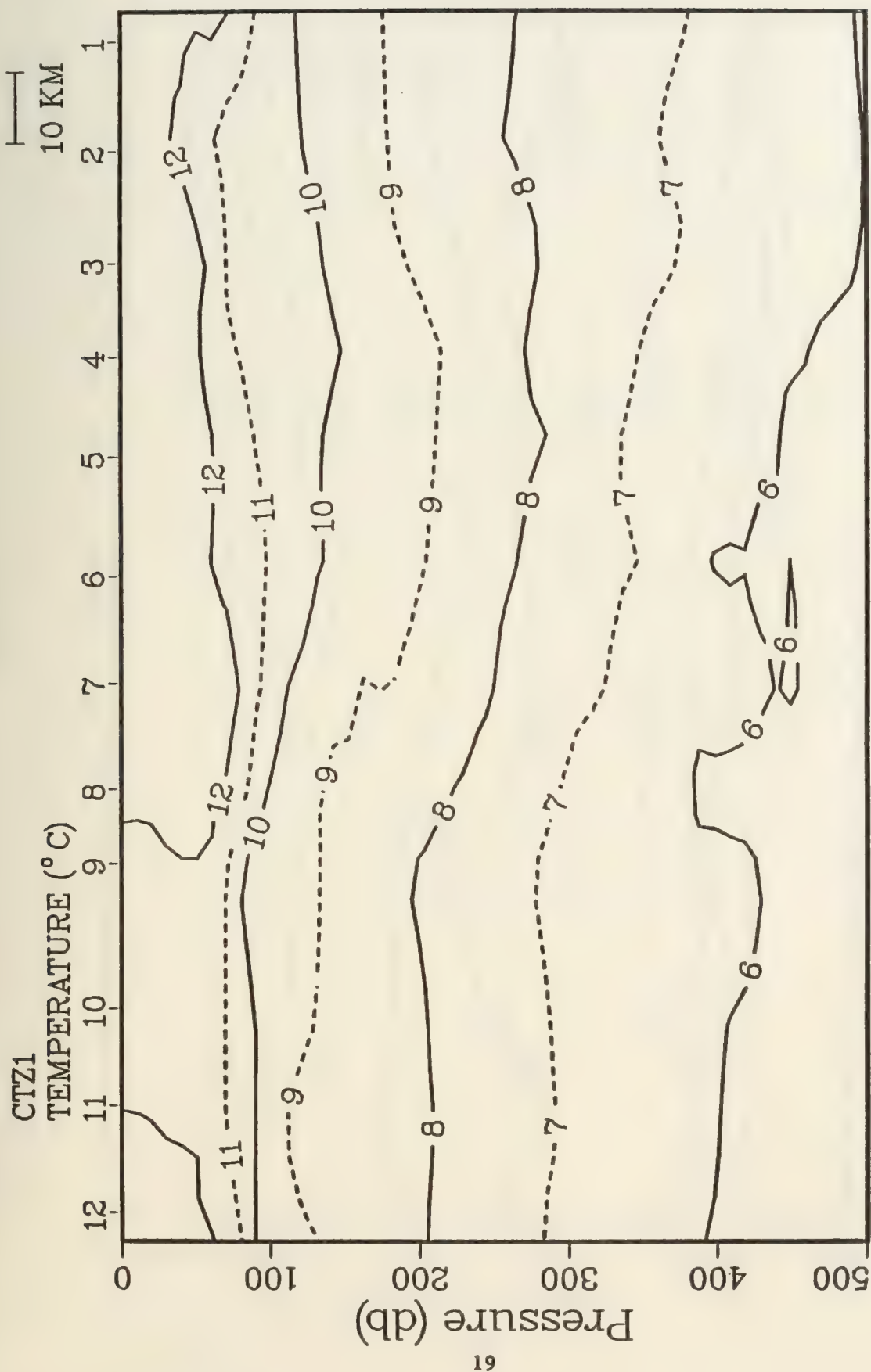


Figure 8. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 1-12 of module C.

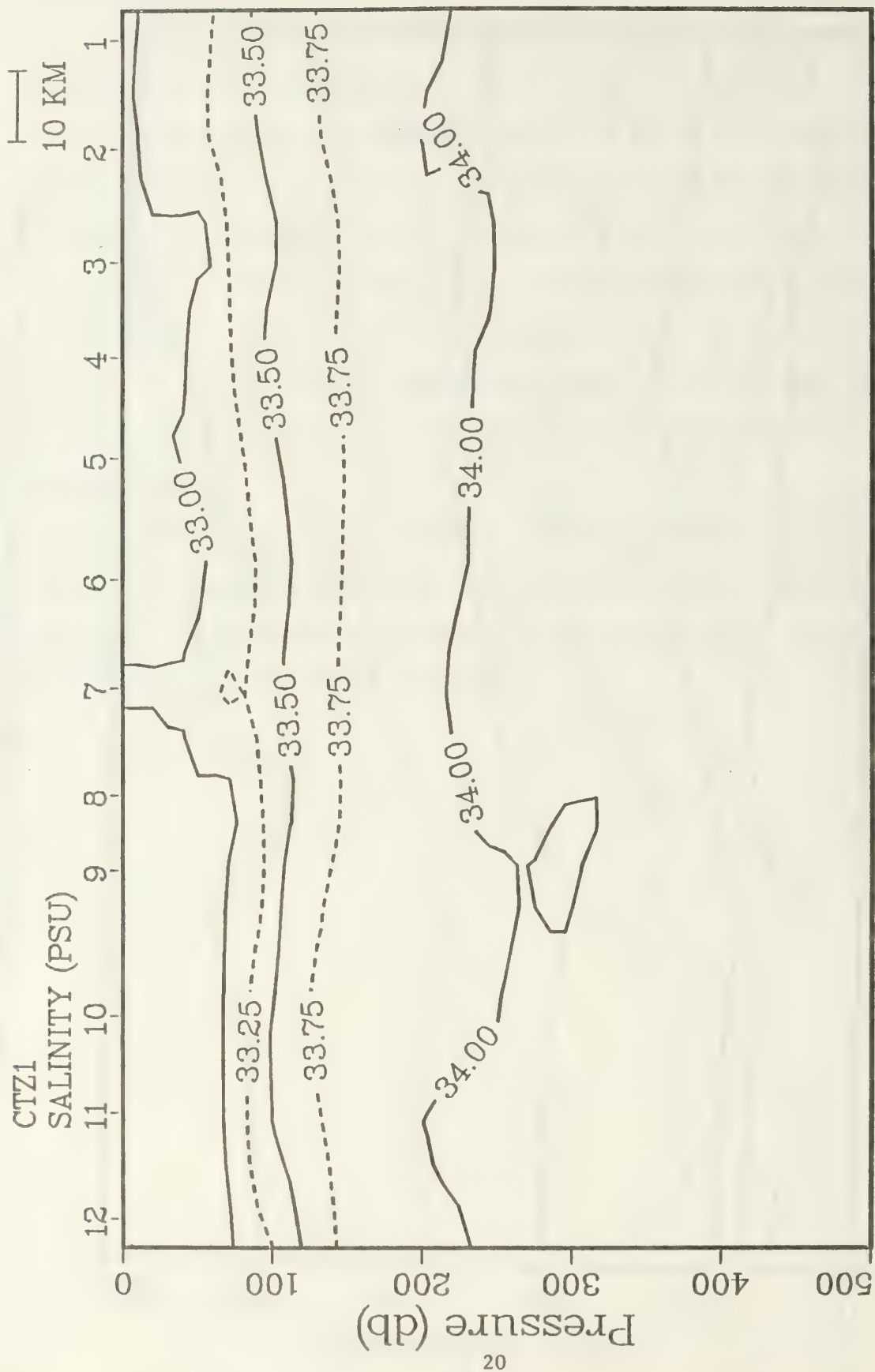


Figure 8b.

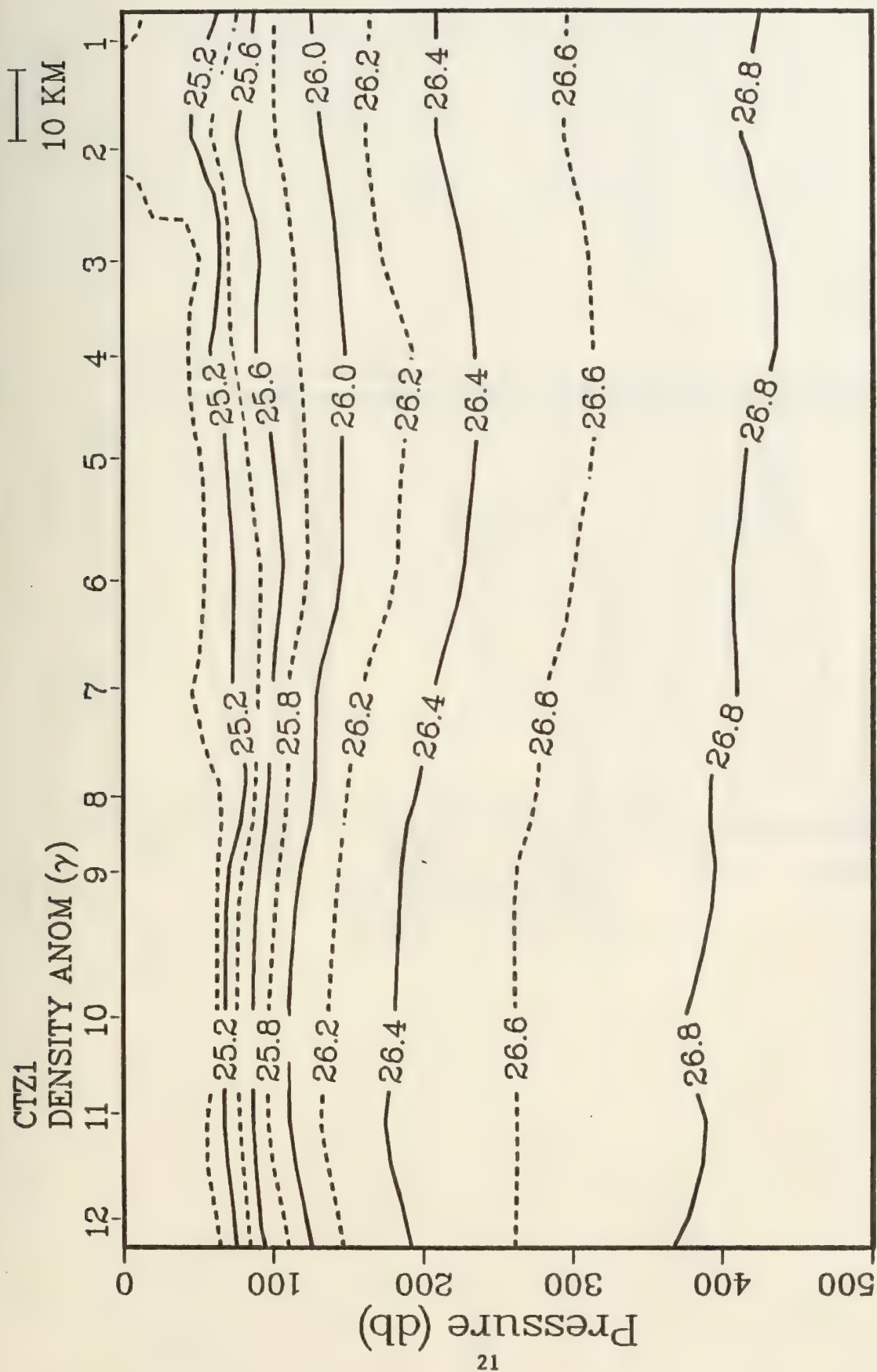


Figure 8c.

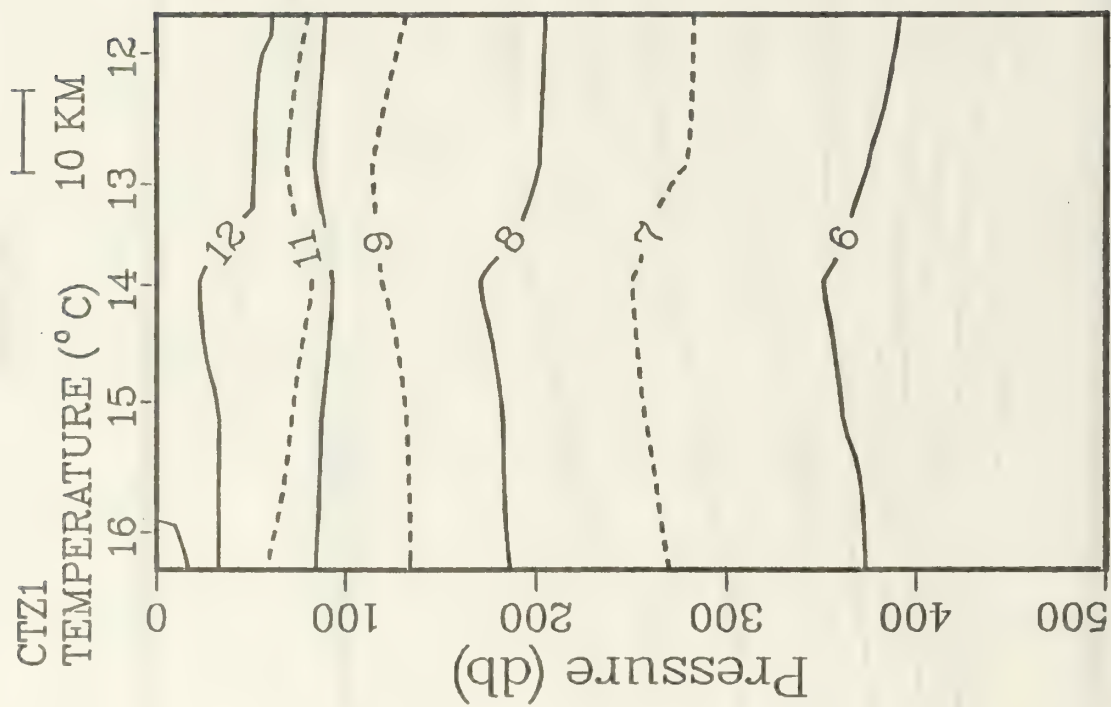


Figure 9. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 12-16 of module C.

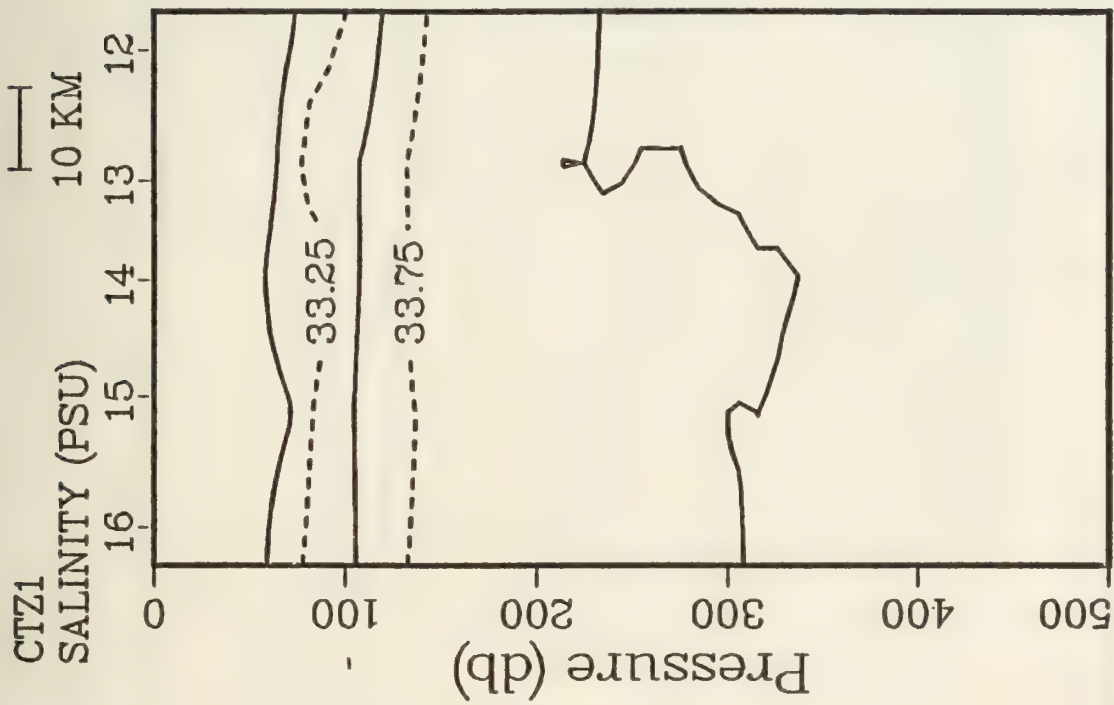


Figure 9b.

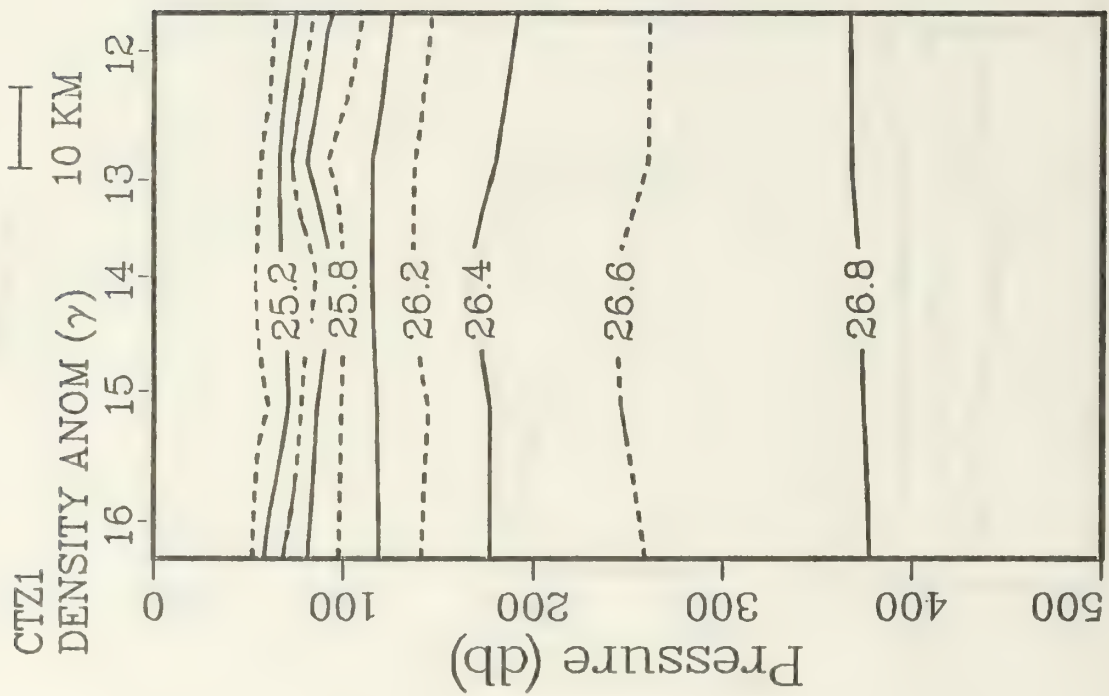


Figure 9c.

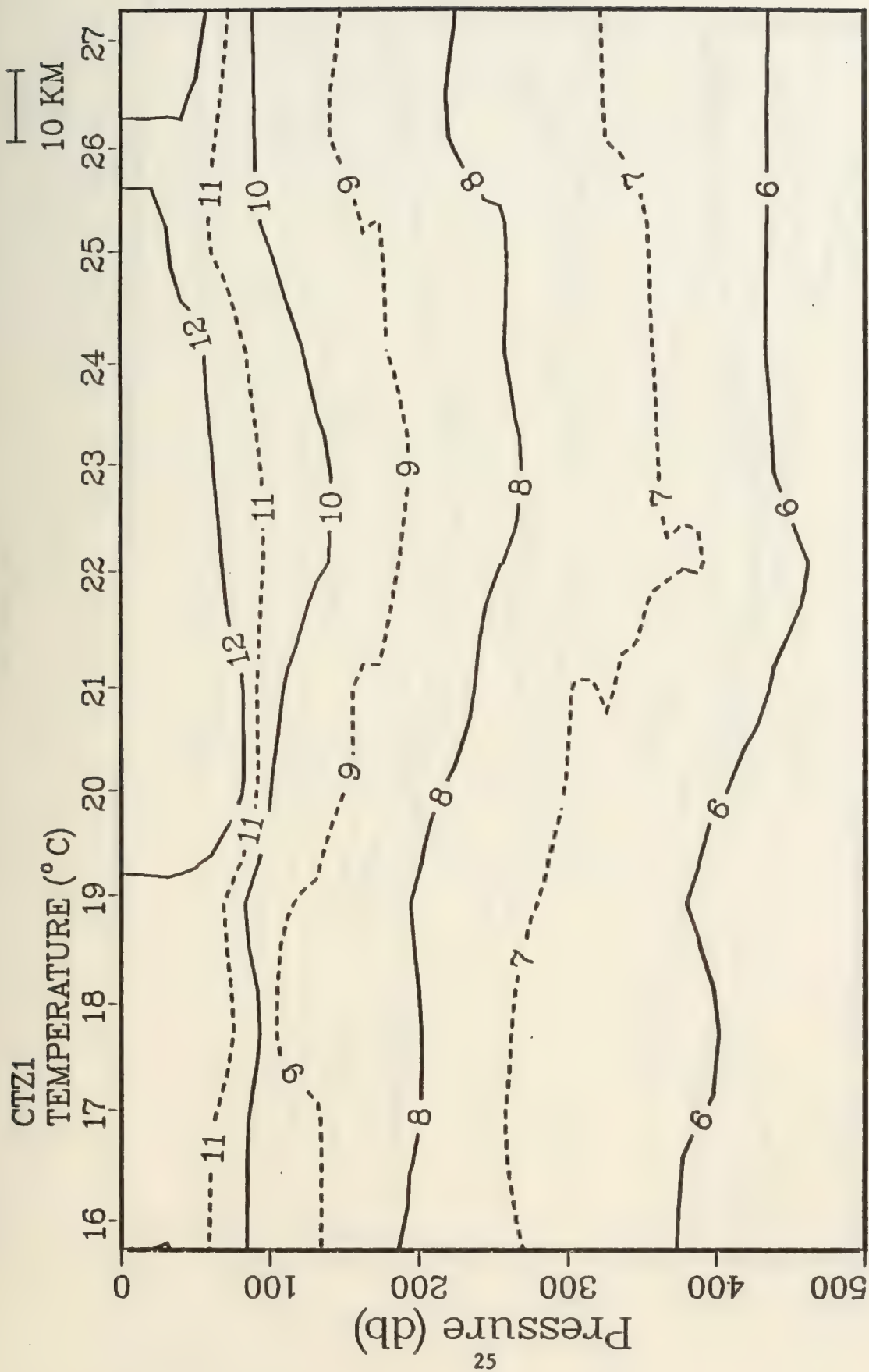


Figure 10. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 16-27 of module C.

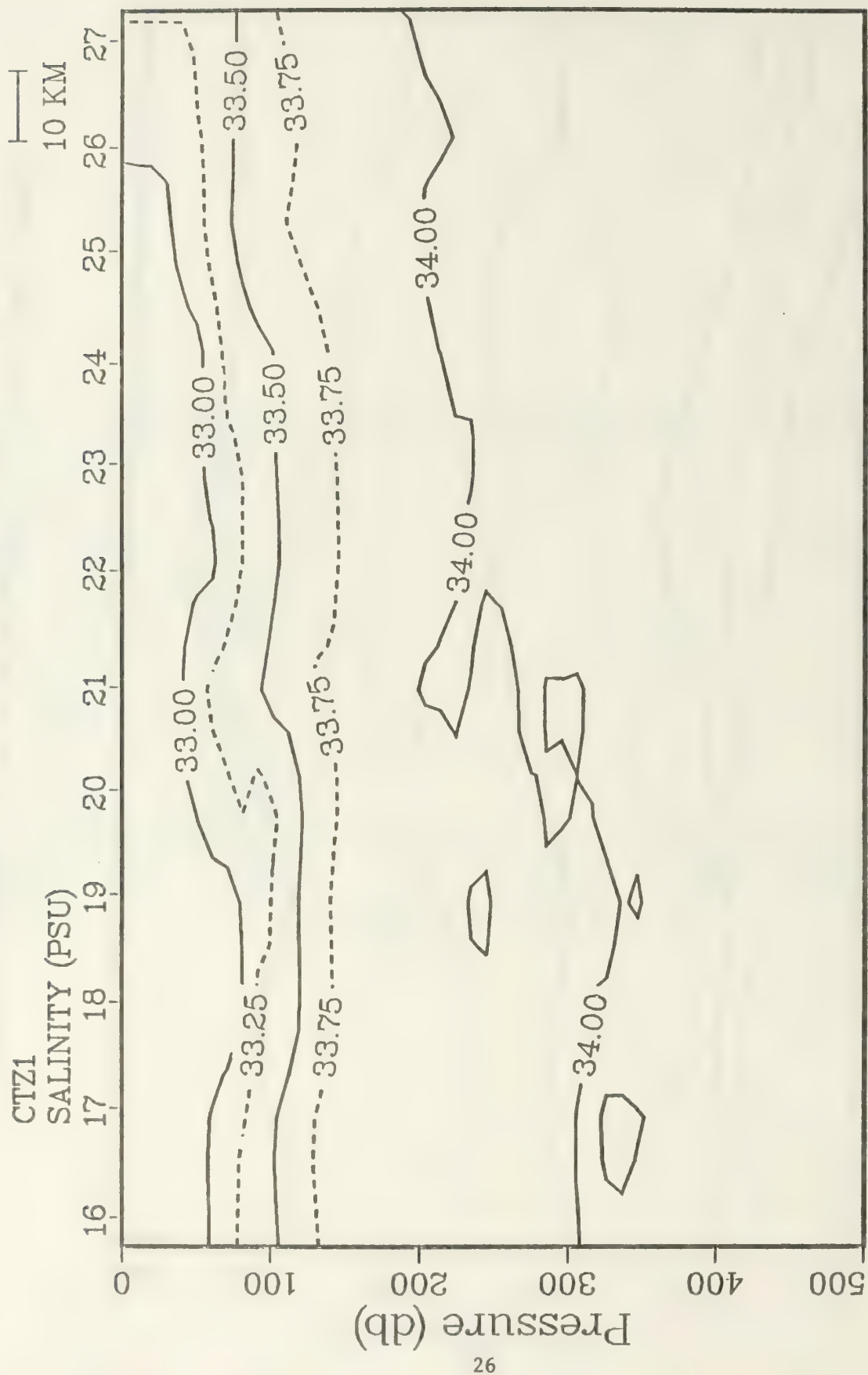


Figure 10b.

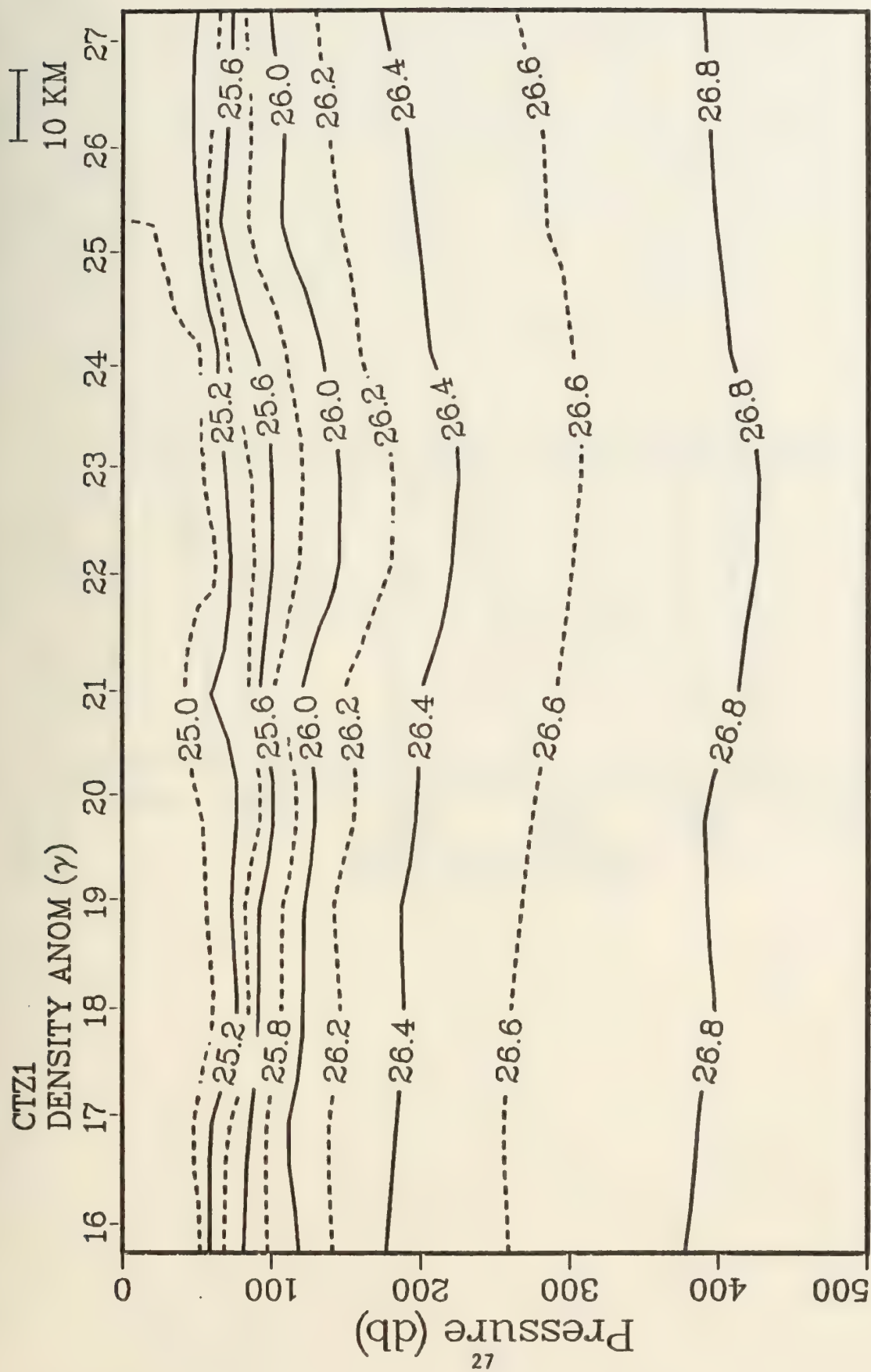


Figure 10c.

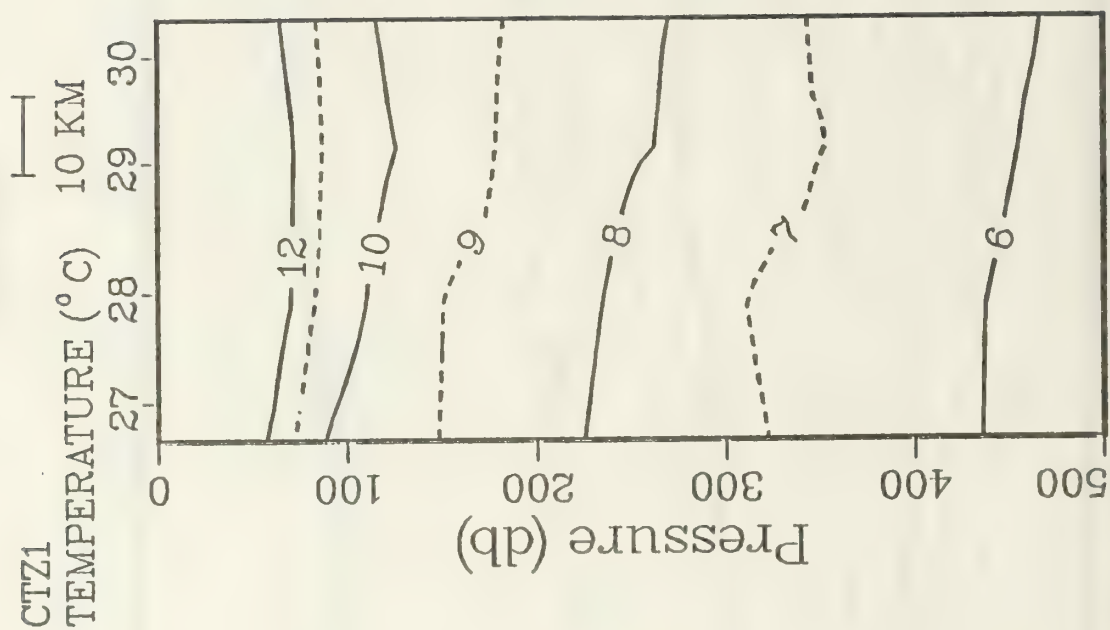


Figure 11. Vertical sections of a) temperature, b) salinity, and c) density
contours from CTM stations 27-30 of module C.

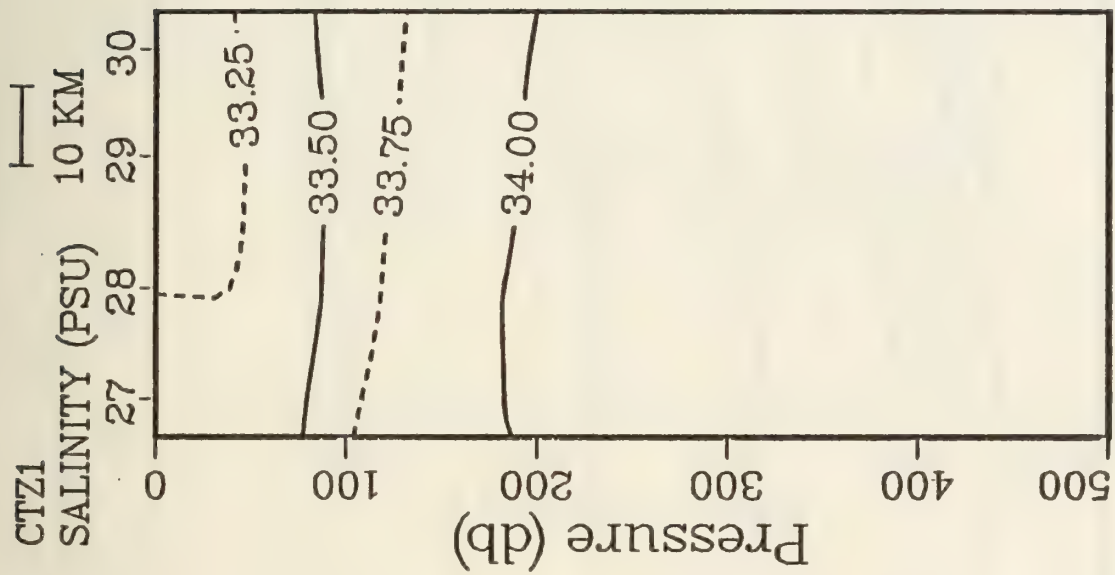


Figure 11b.

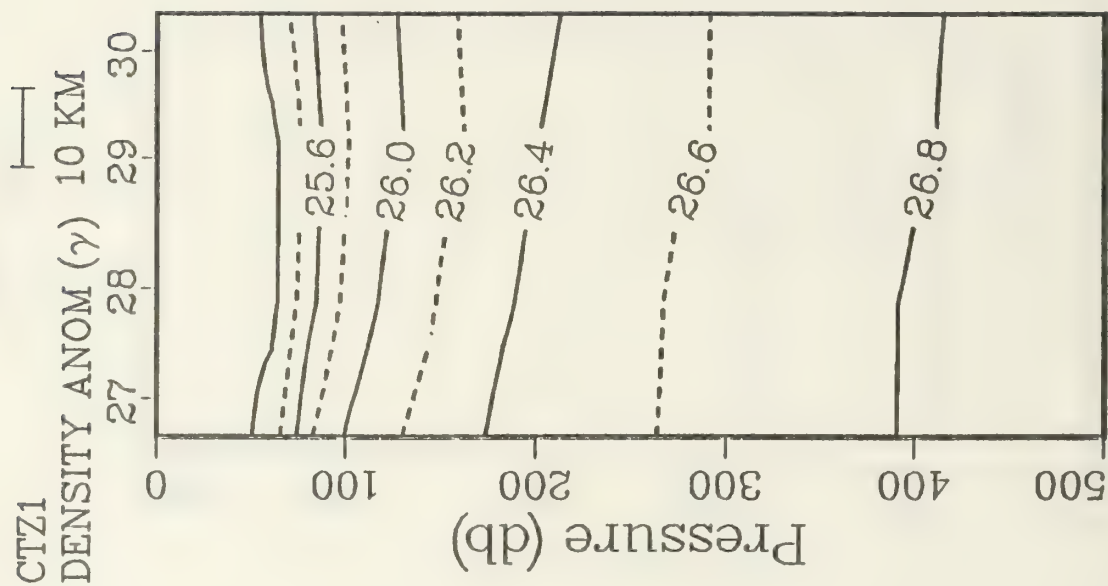


Figure 11c.

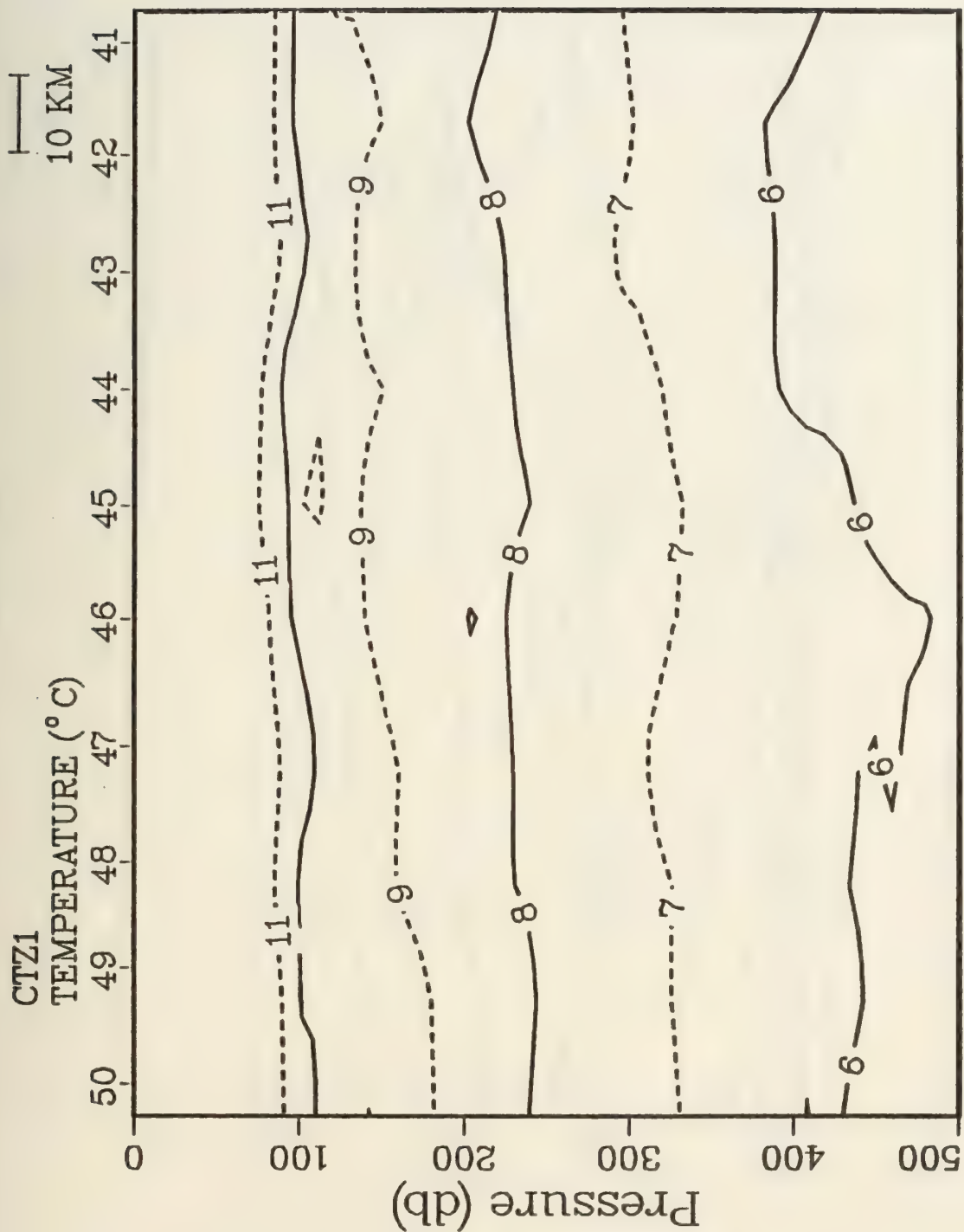


Figure 12. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 41-50 of module B.

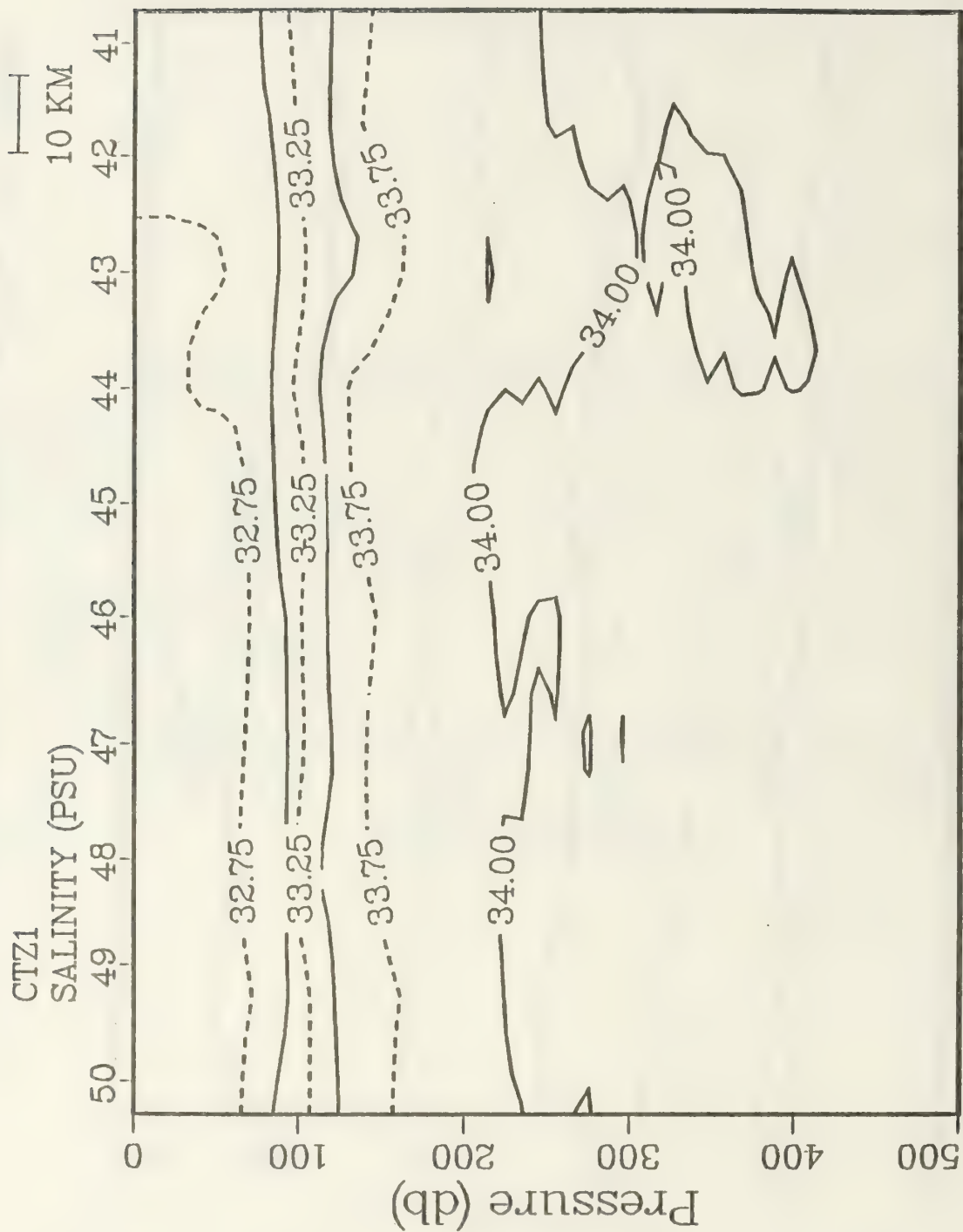


Figure 12b.

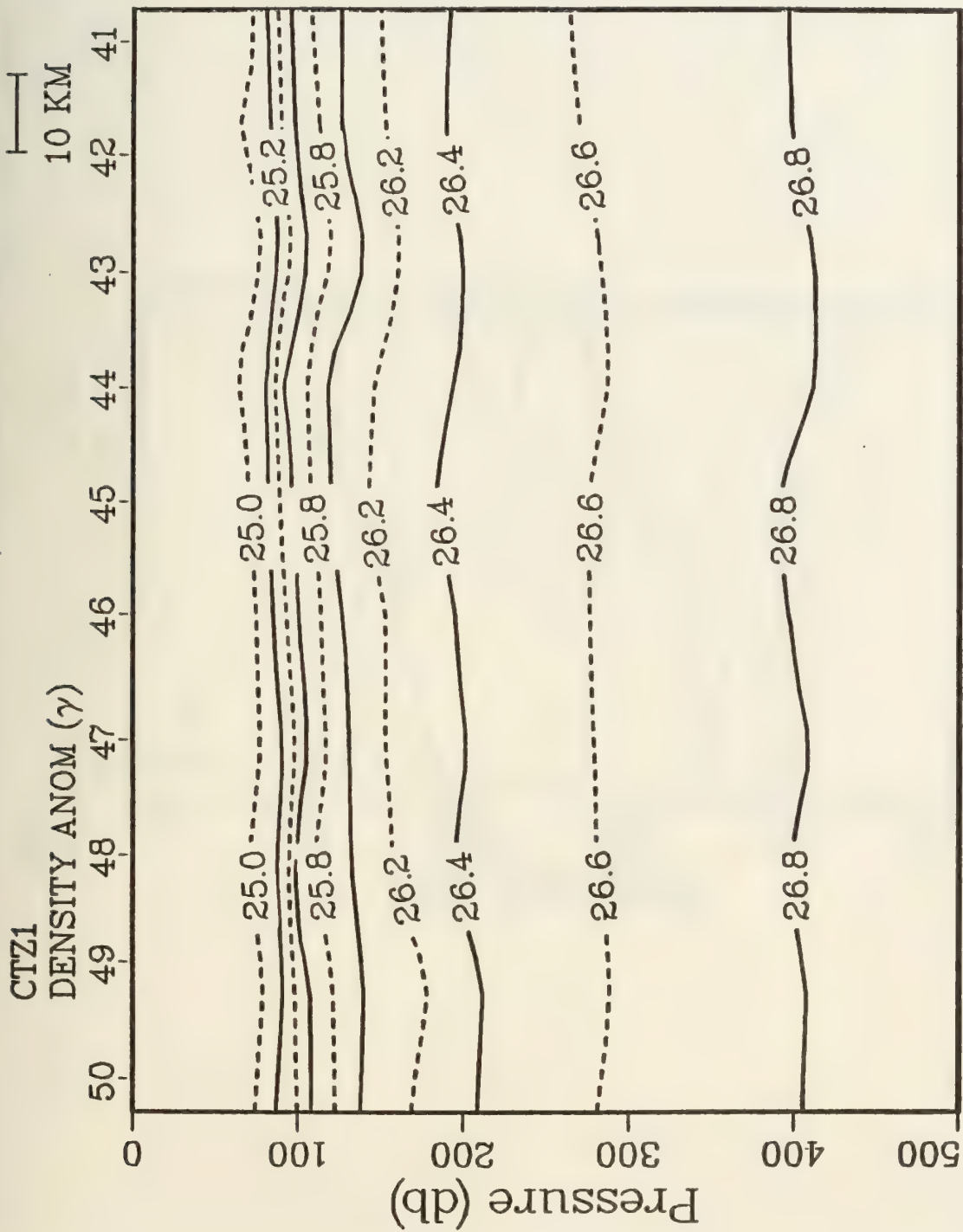


Figure 12c.

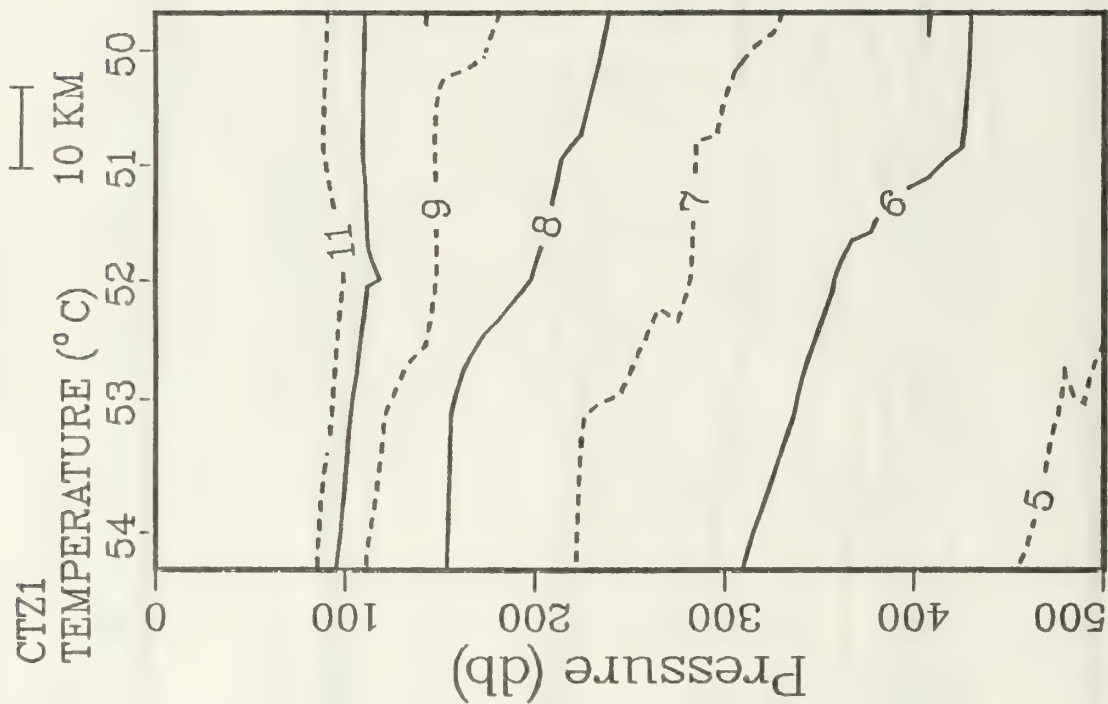


Figure 13. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 50-54 of module B.

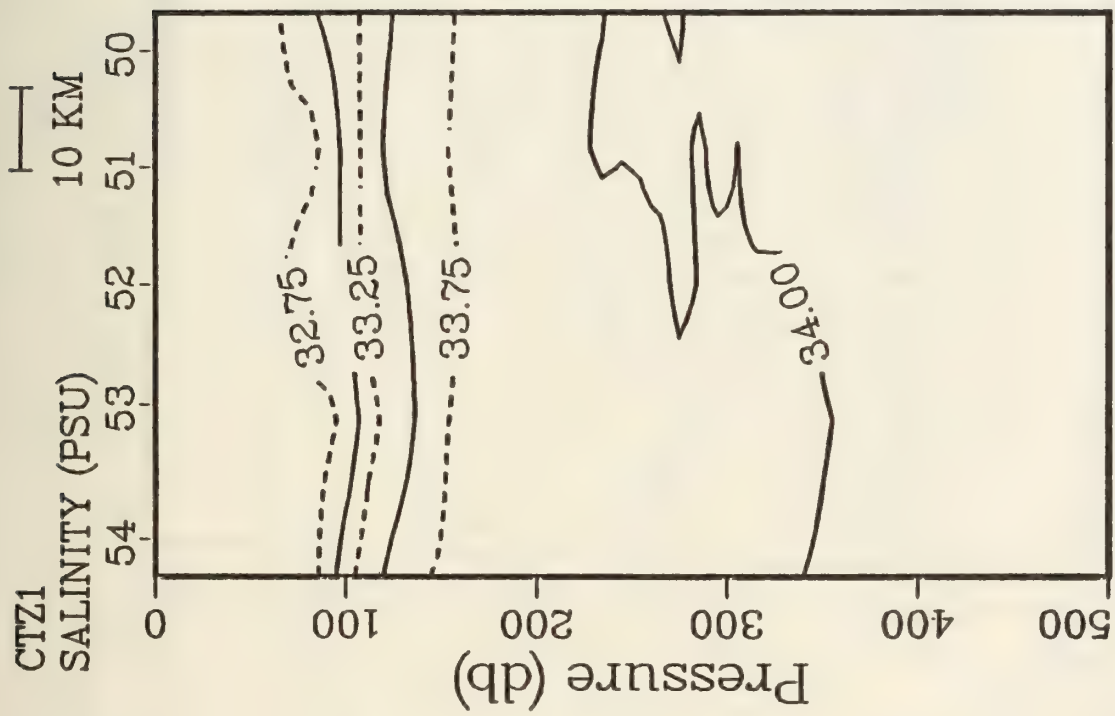


Figure 13b.

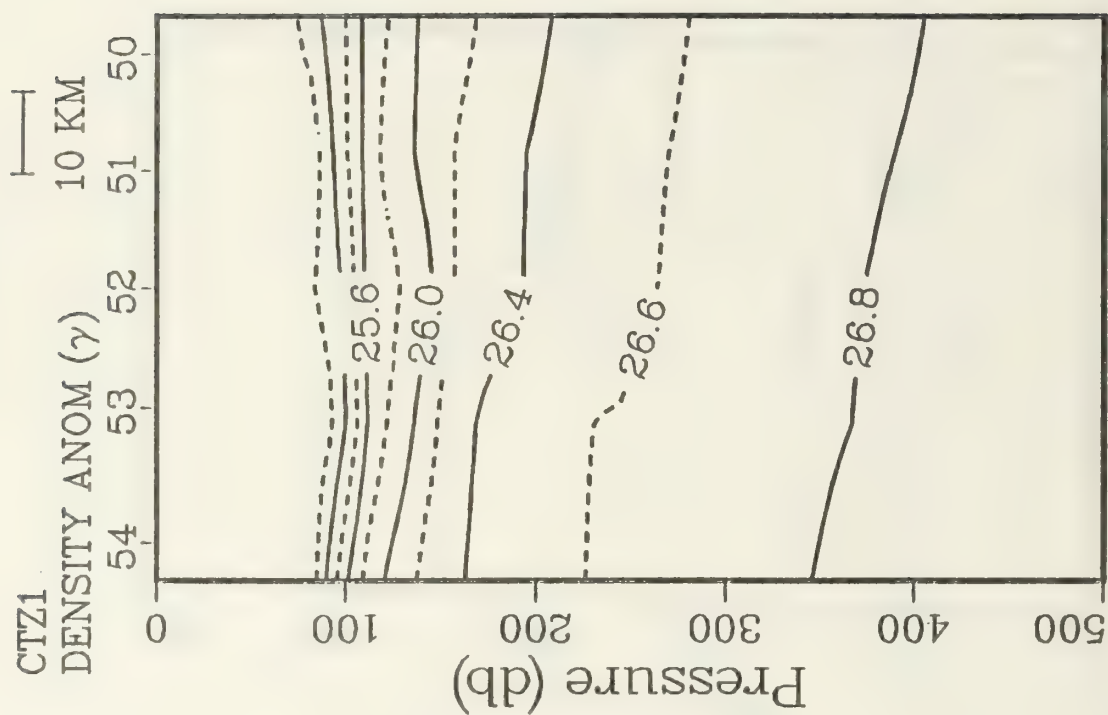


Figure 13c.

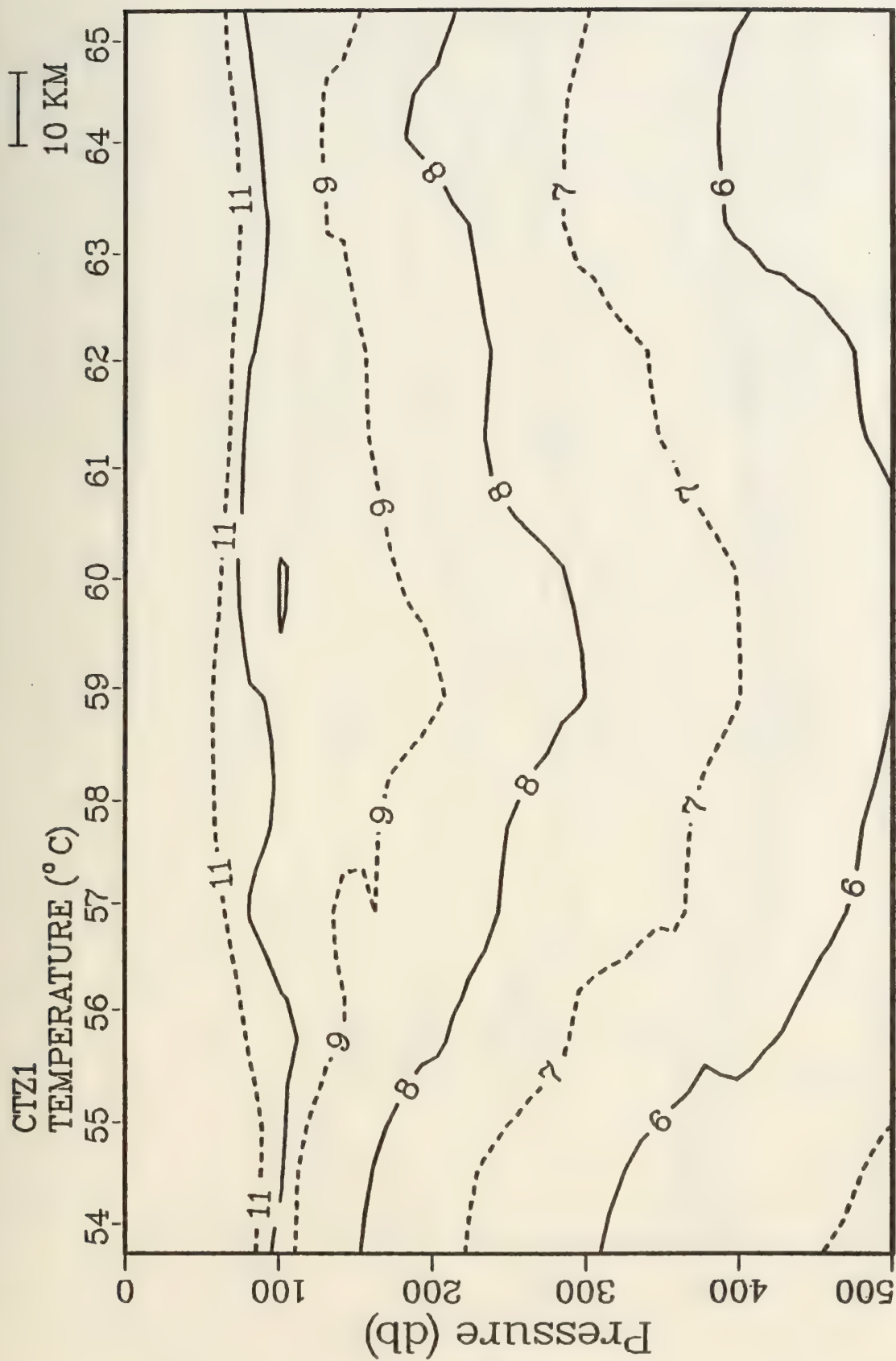


Figure 14. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 54-65 of module B.

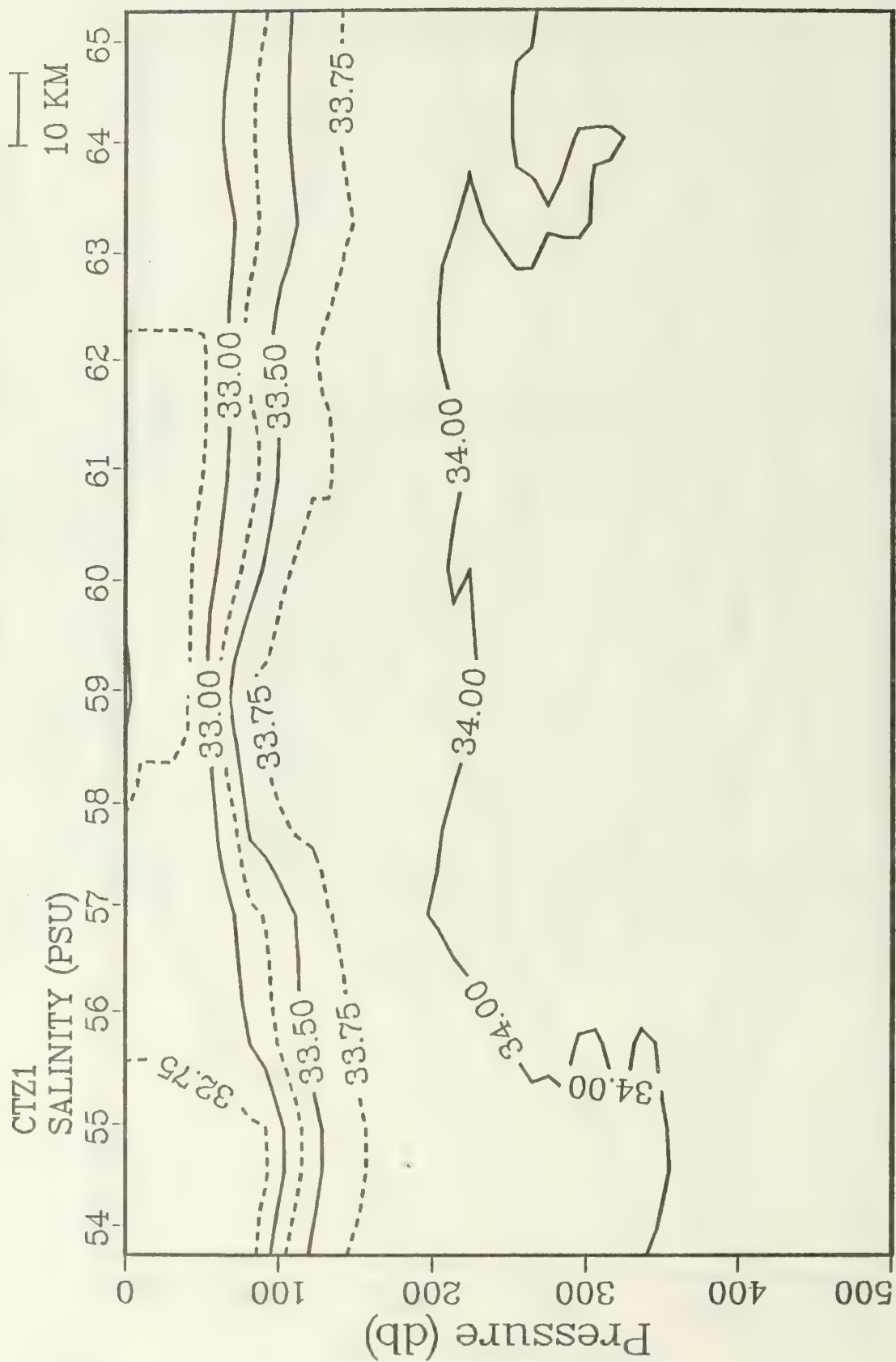


Figure 14b.

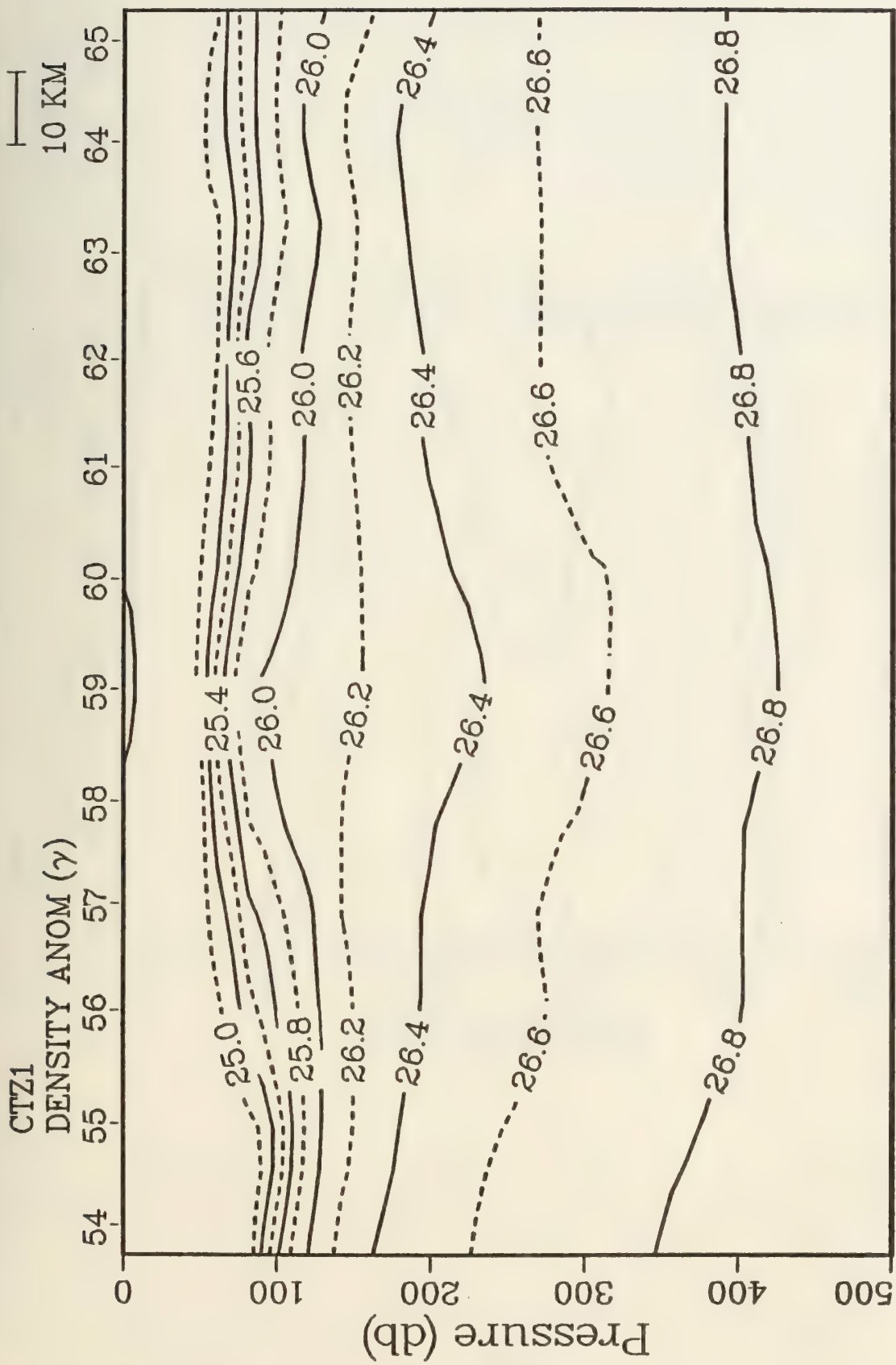


Figure 14c.

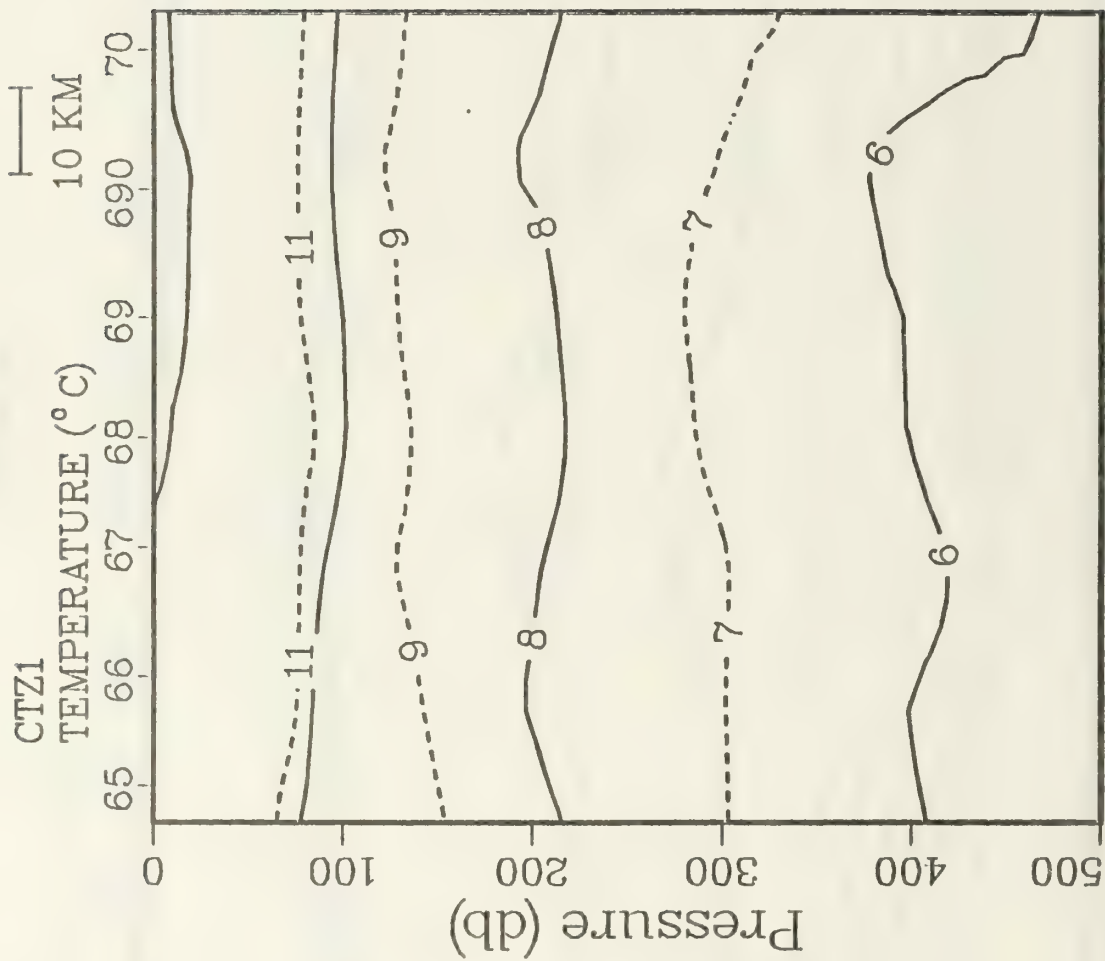


Figure 15. Vertical sections of a) temperature, b) salinity, and c) density anomalies from CTD stations 65-70 of module B.

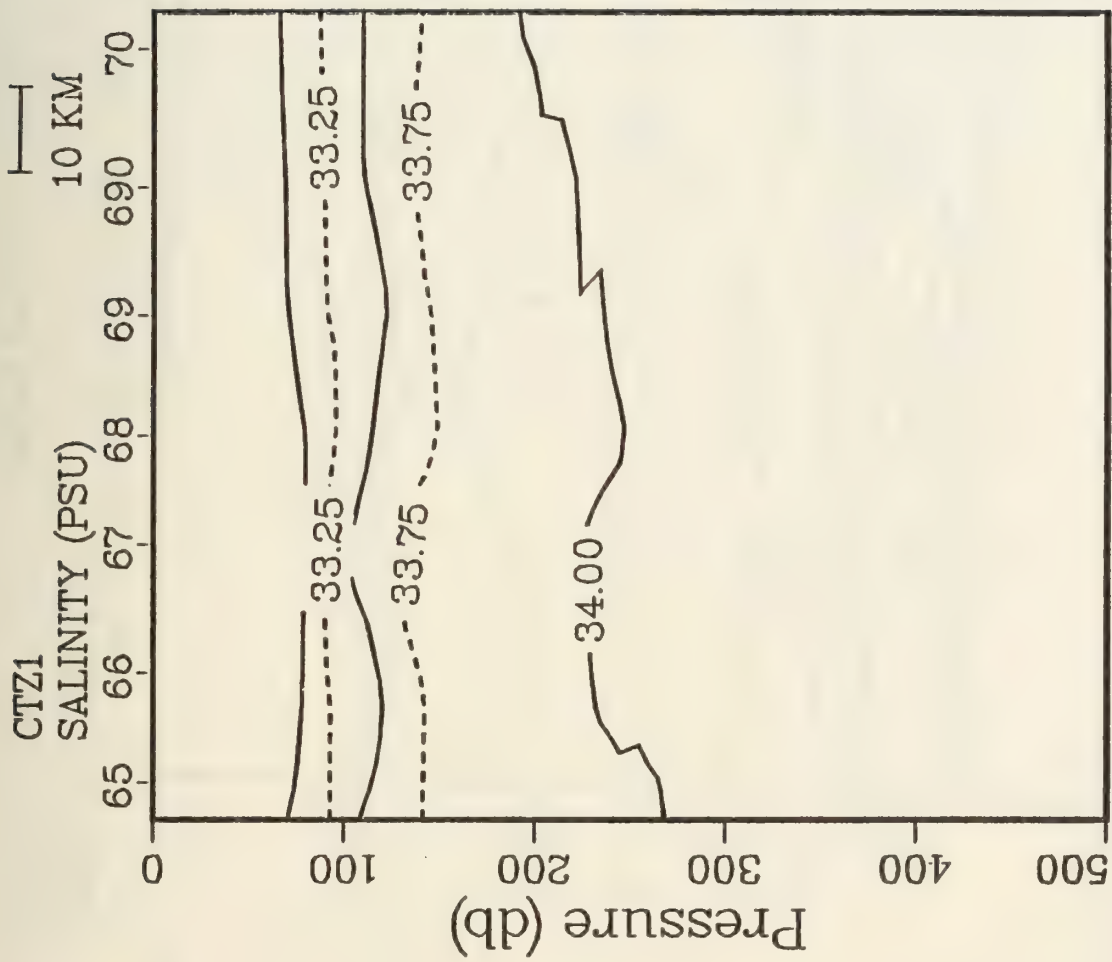


Figure 15b.

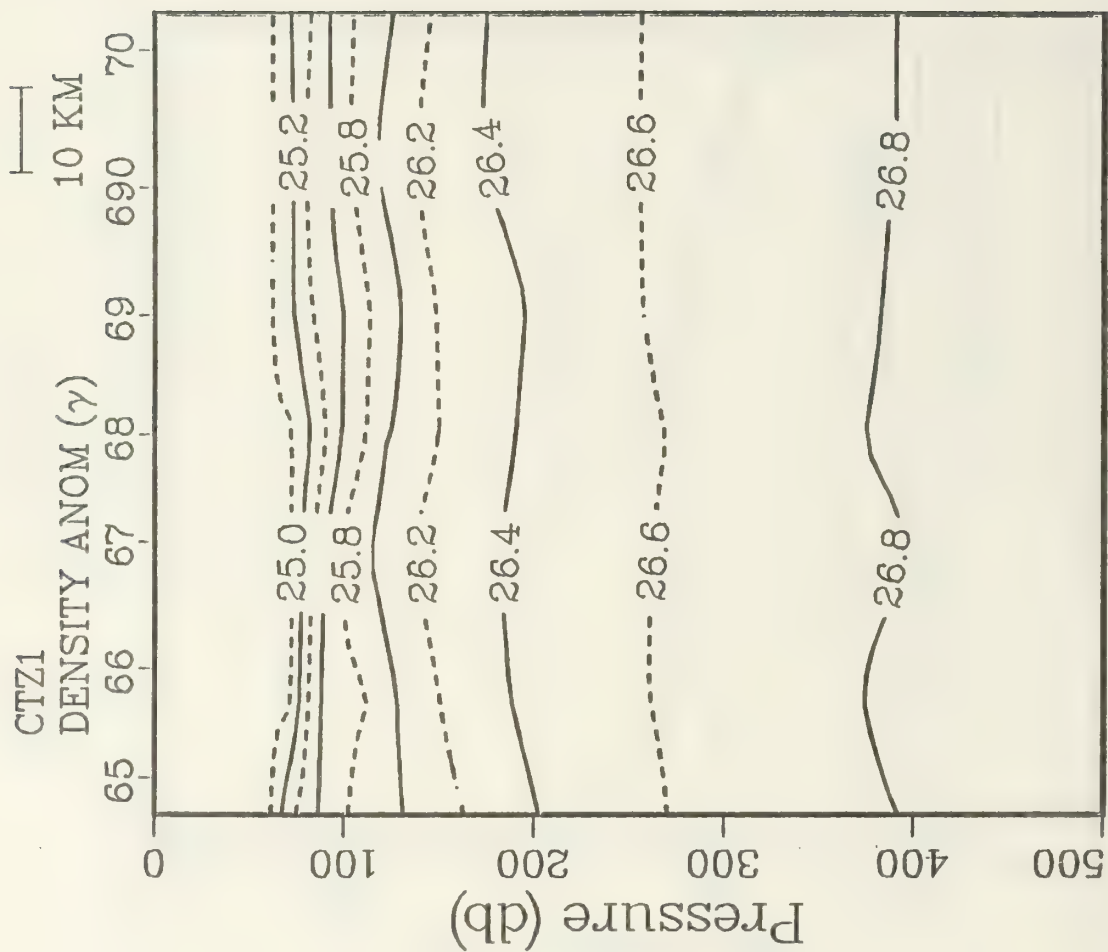


Figure 15c.

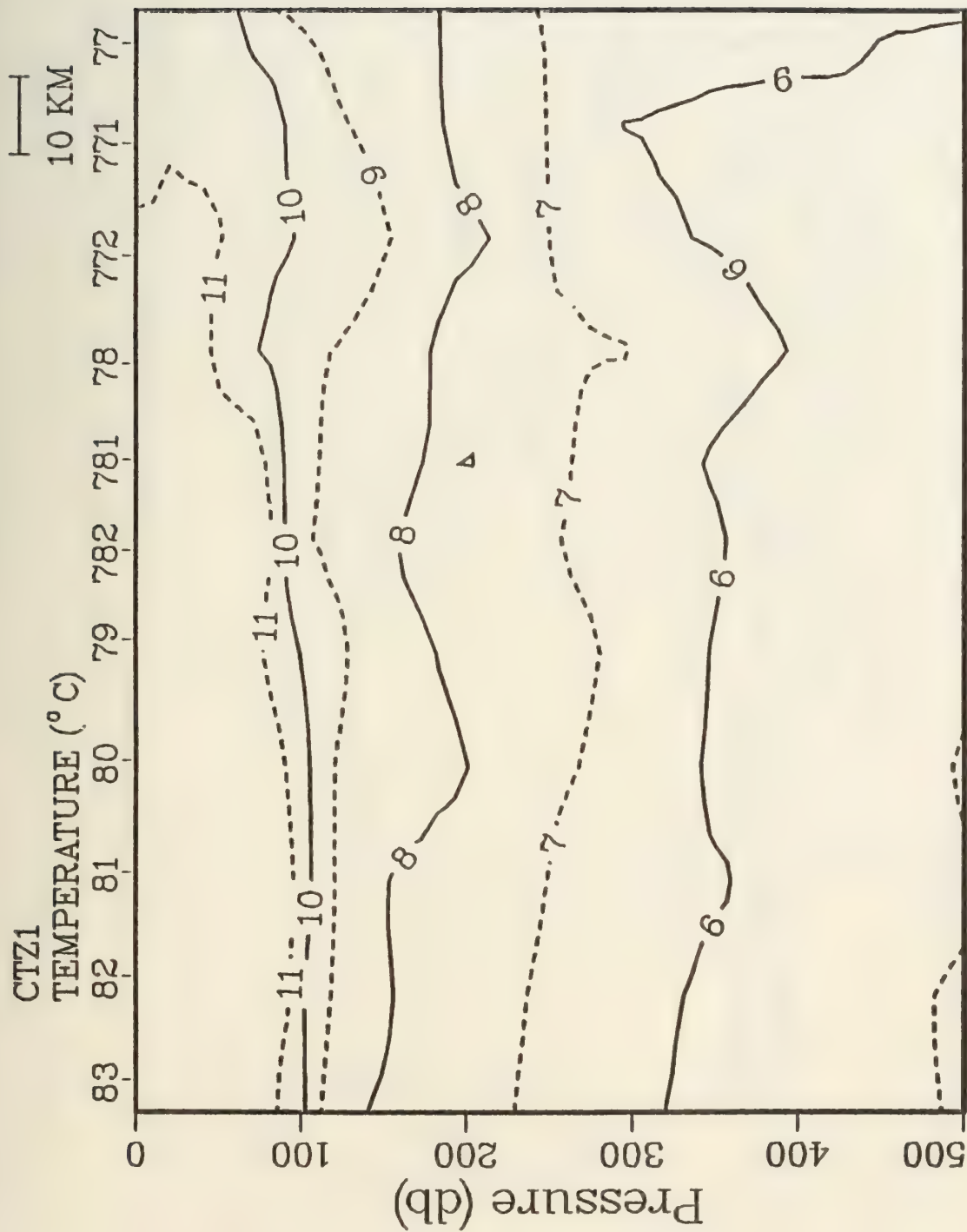


Figure 16. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 77-83 of module A.

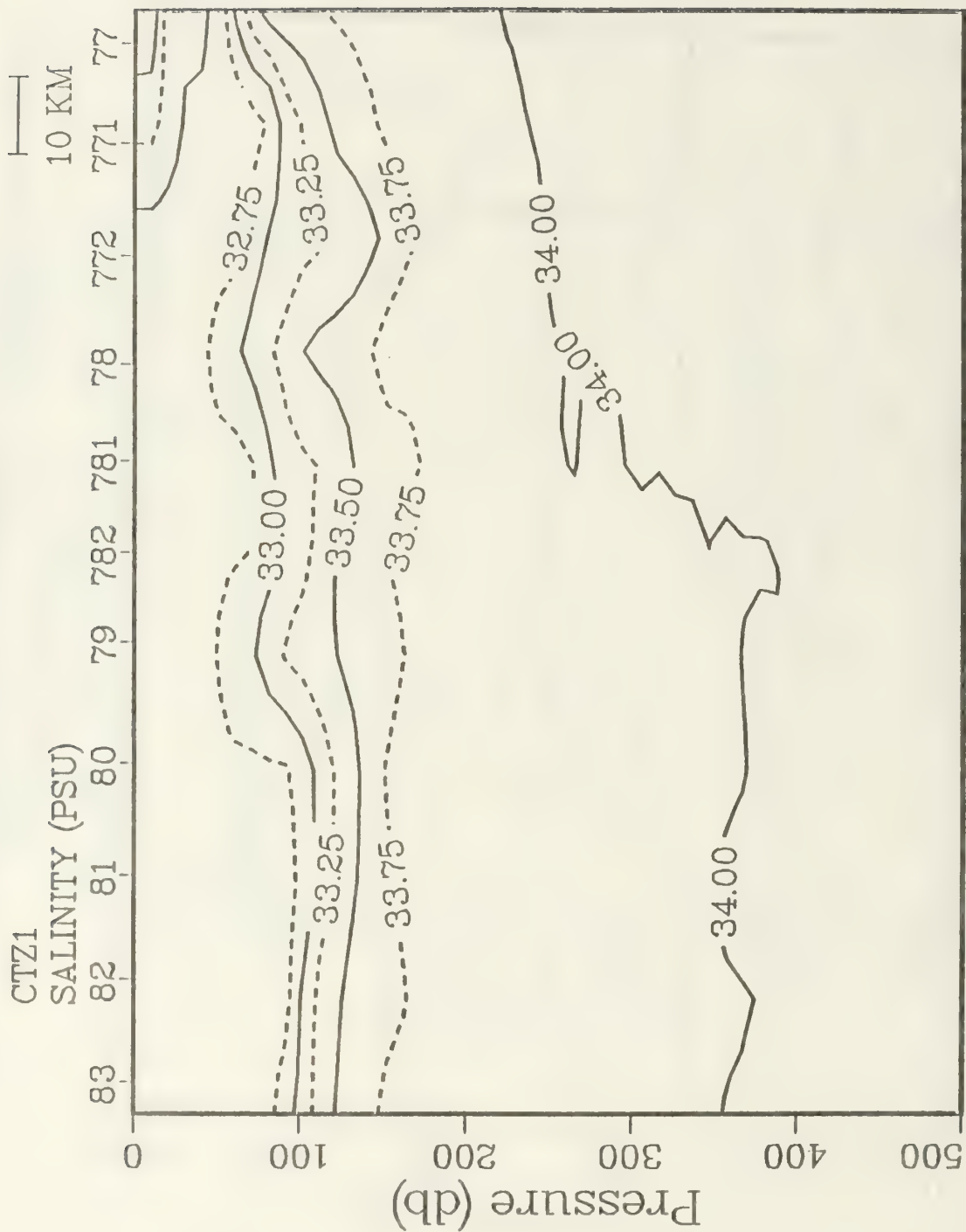


Figure 16b.

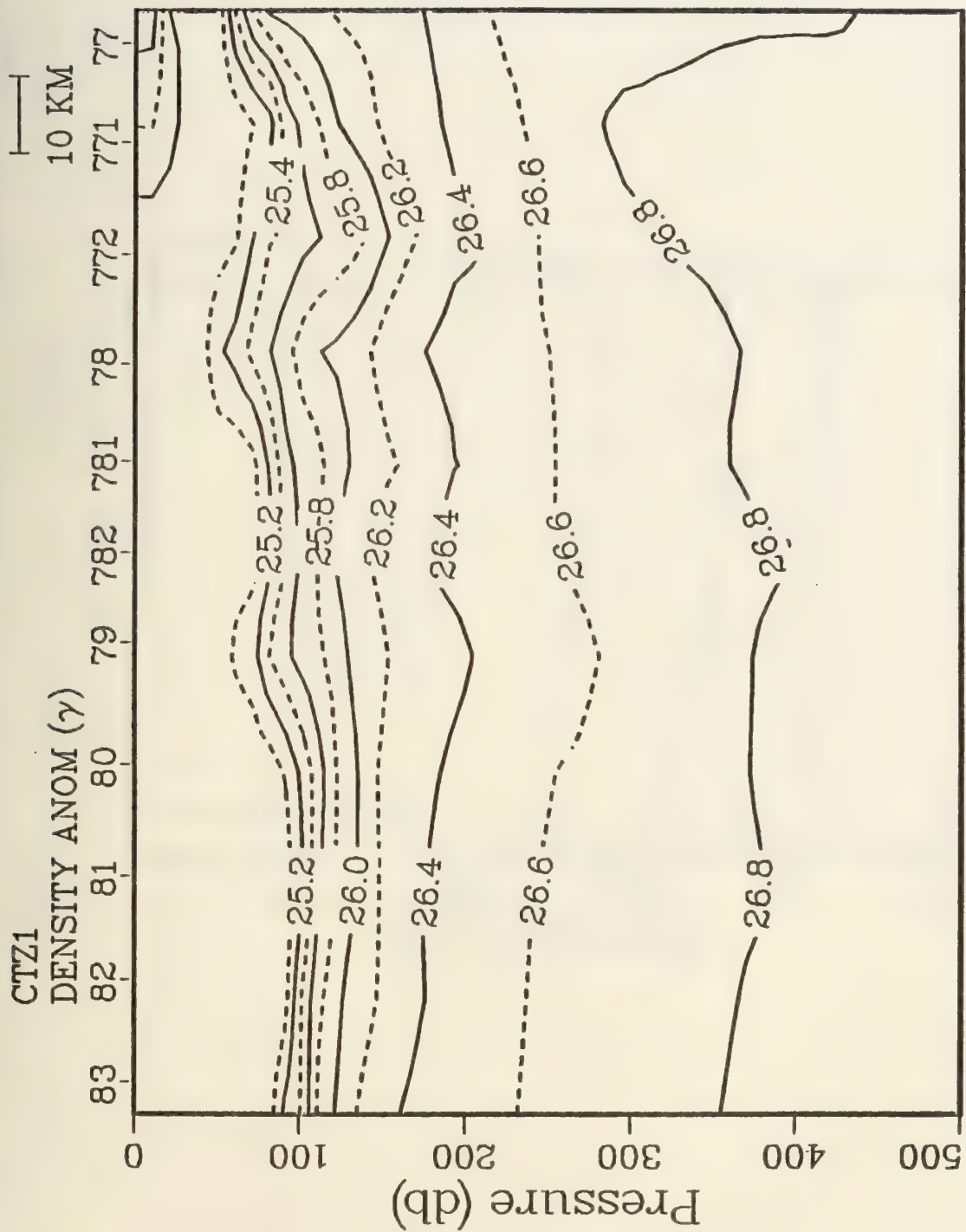


Figure 16c.

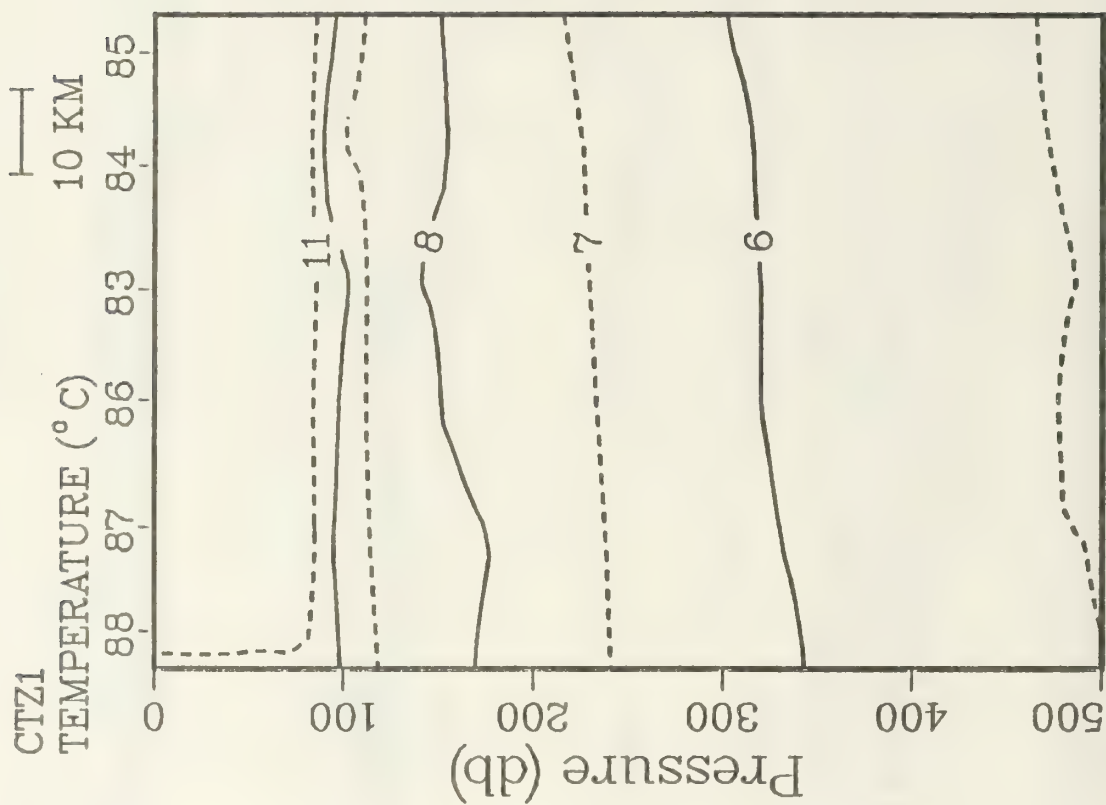


Figure 17. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 88-86 and 83-85 of module A.

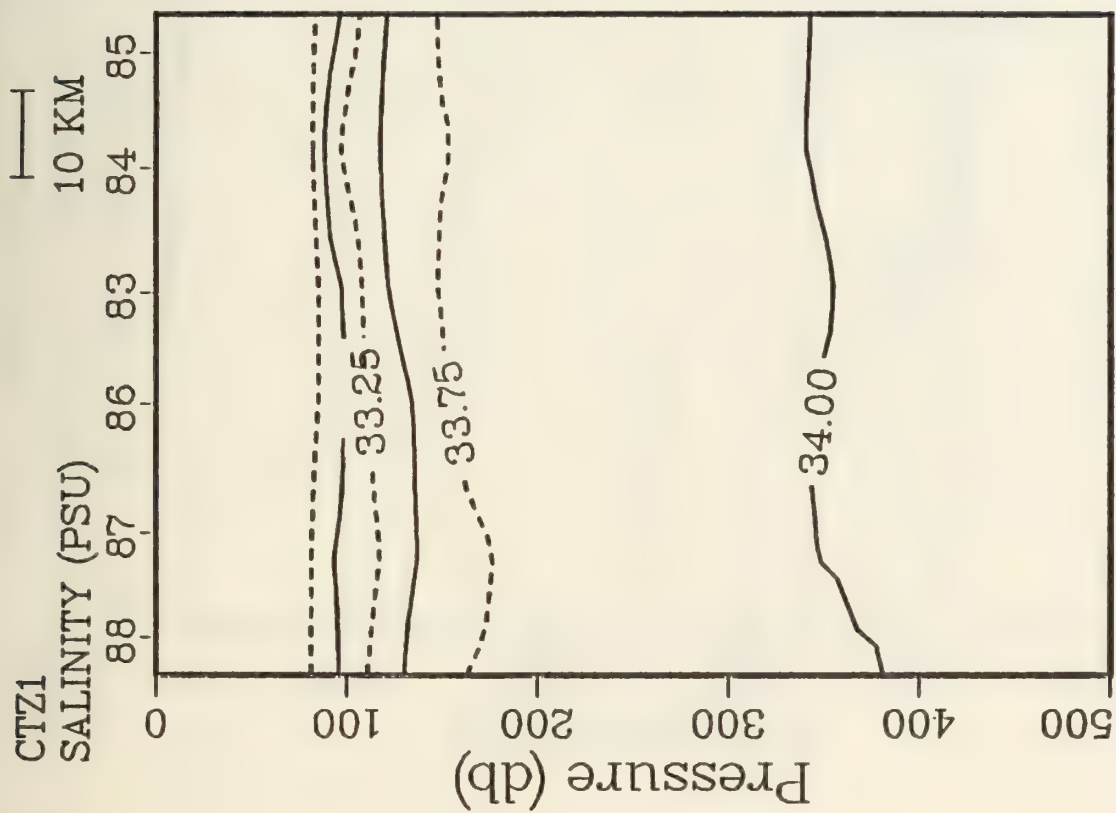


Figure 17b.

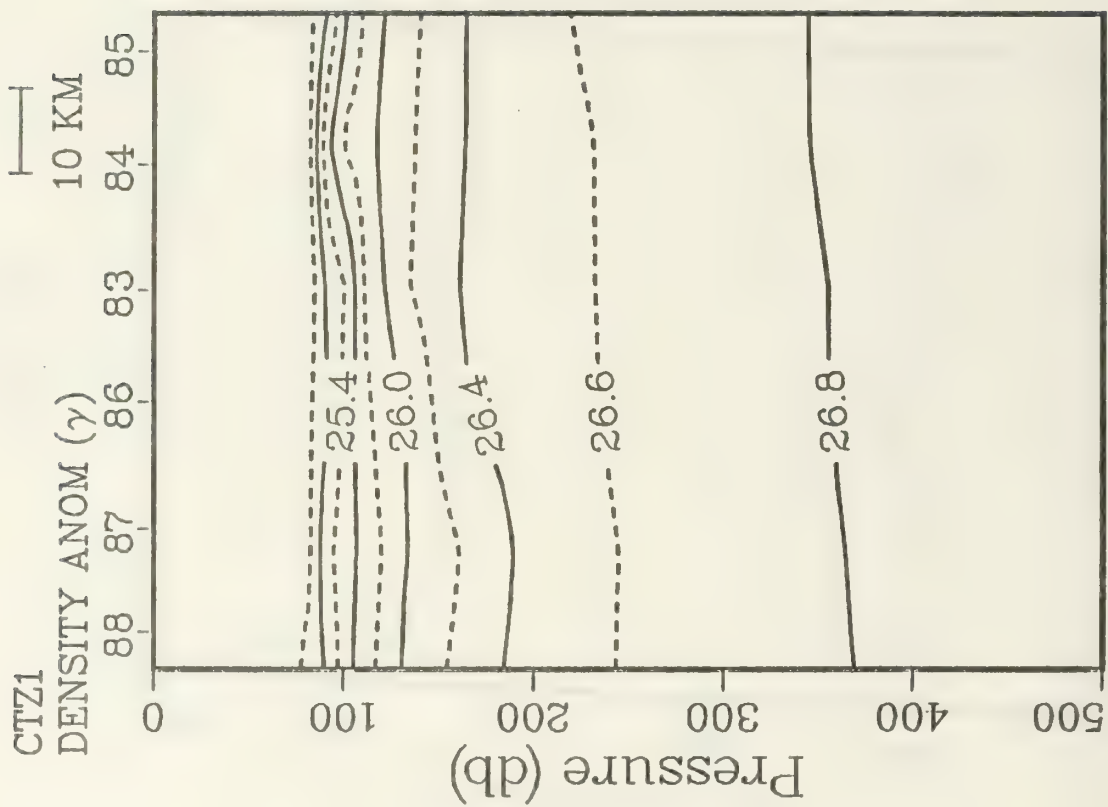


Figure 17c.

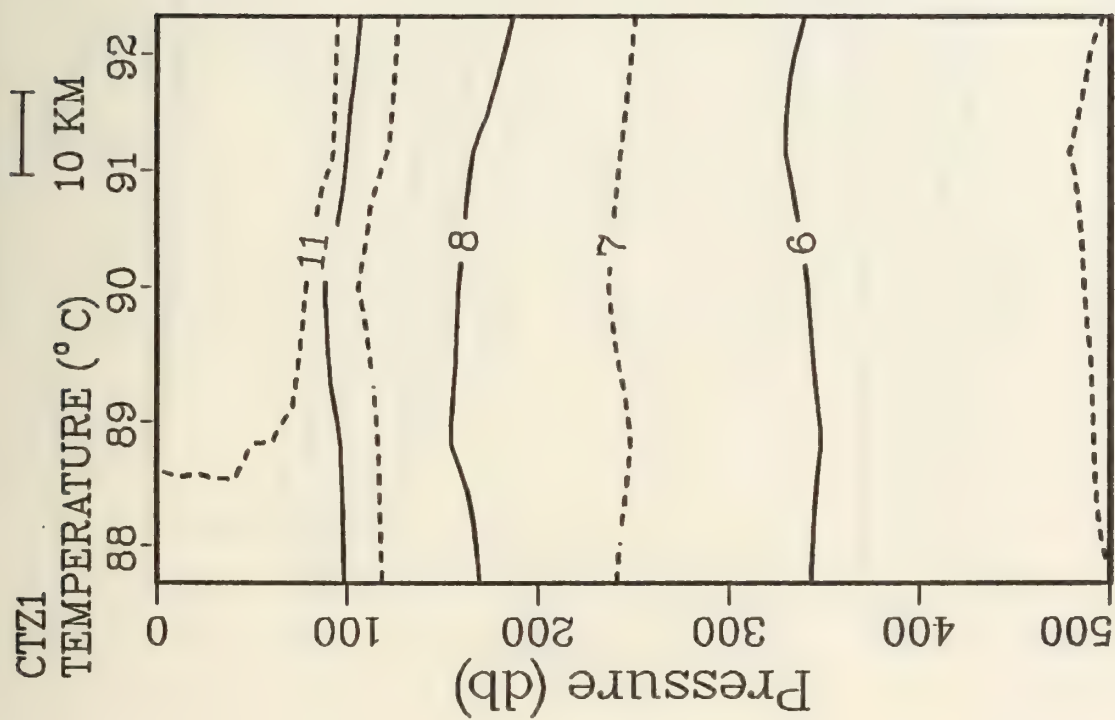


Figure 18. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 88-92 of module A.

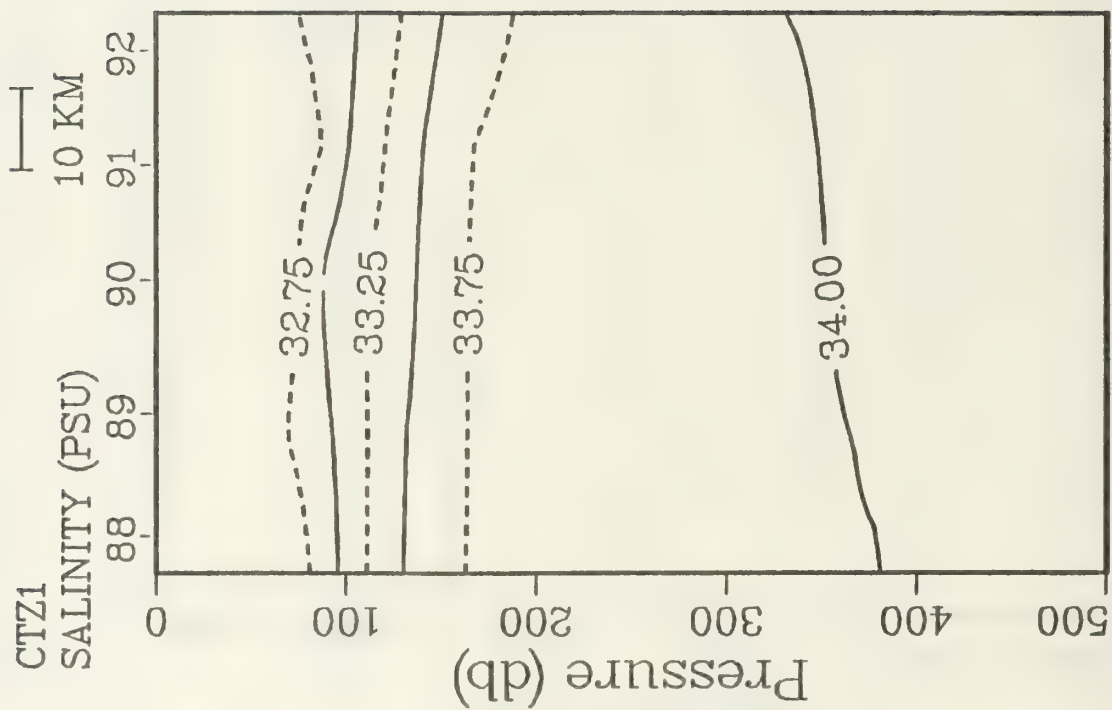


Figure 18b.

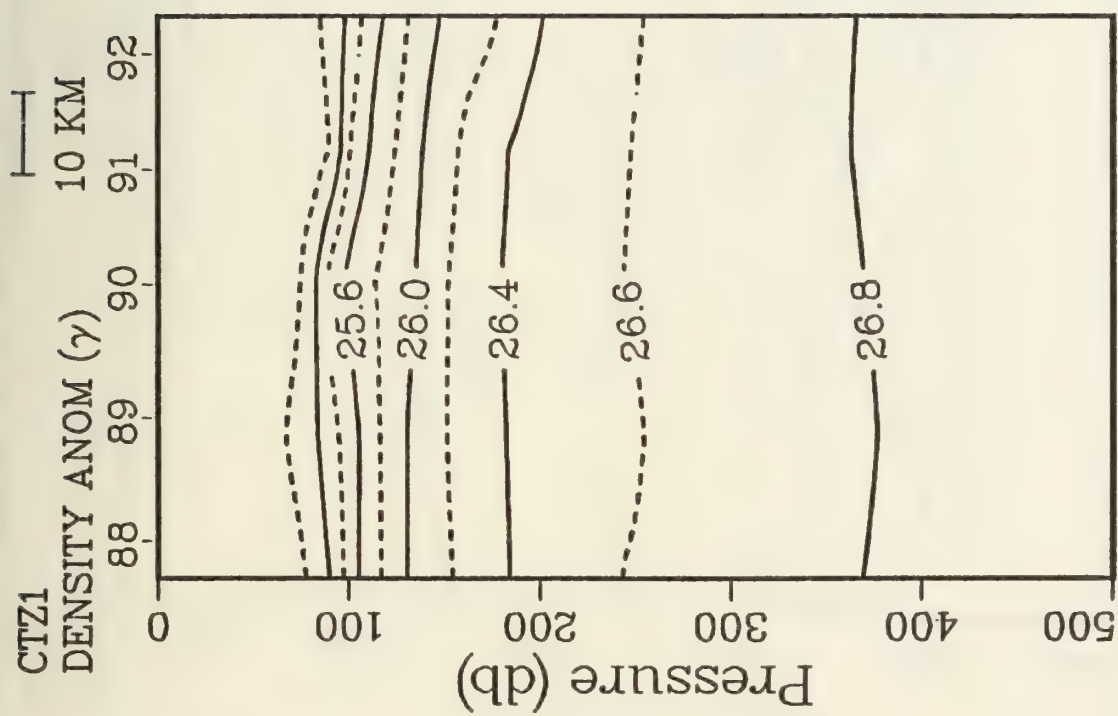


Figure 18c.

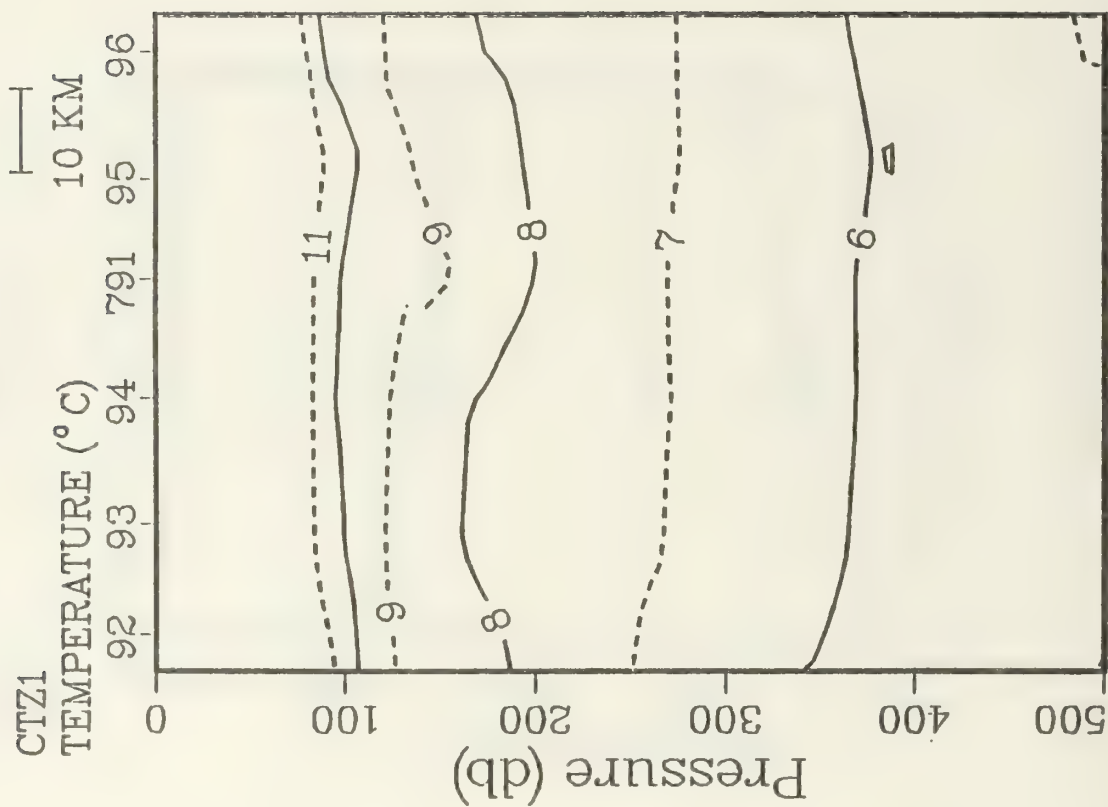


Figure 19. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 92-96 of module A.

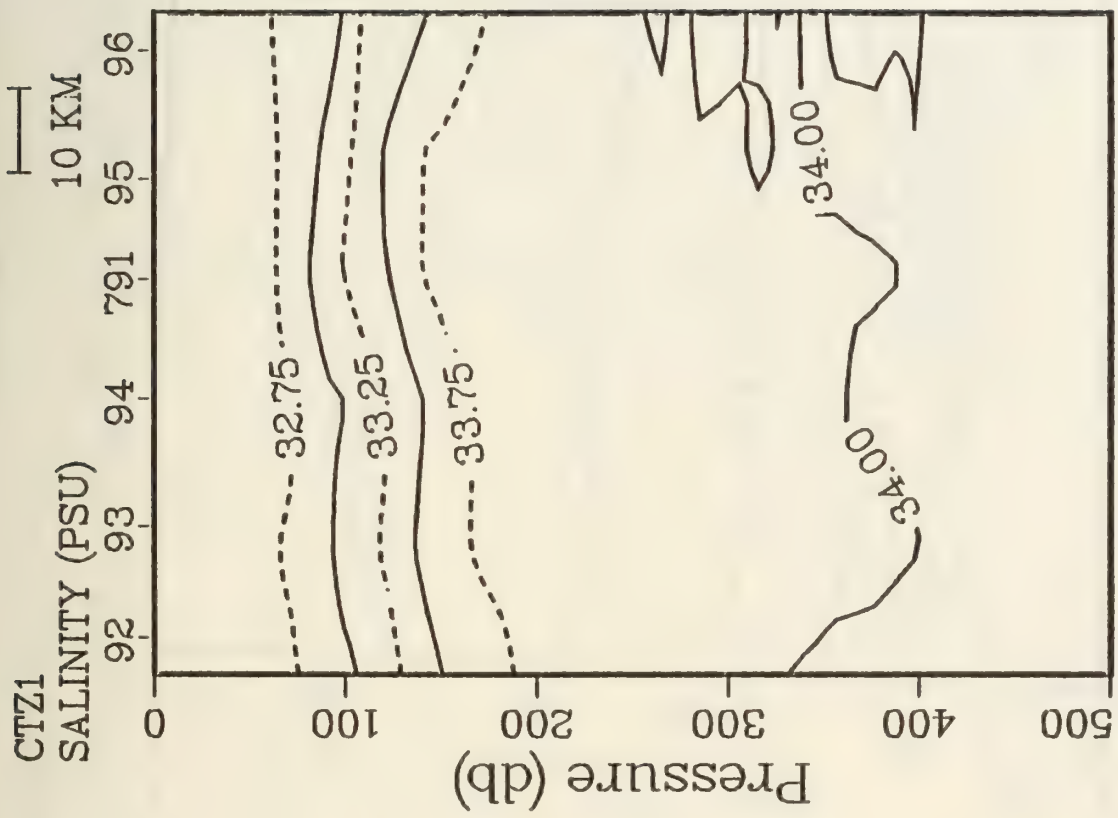


Figure 19b.

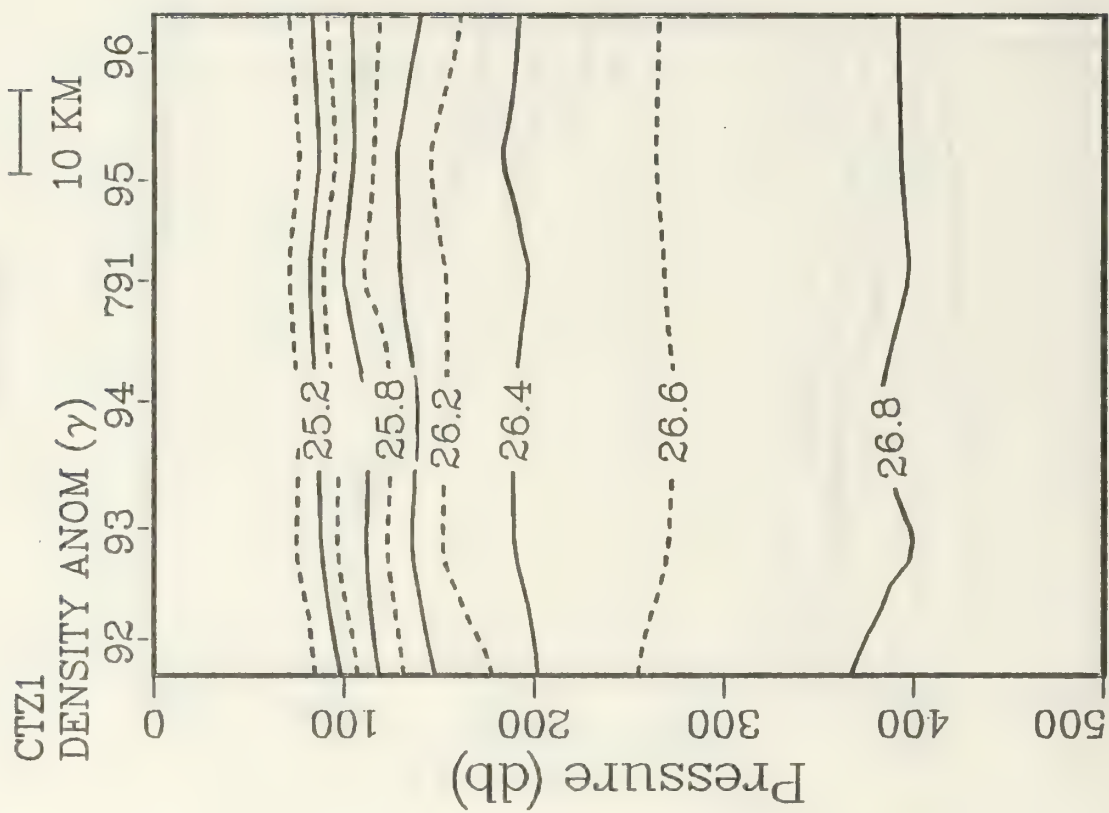


Figure 19c.

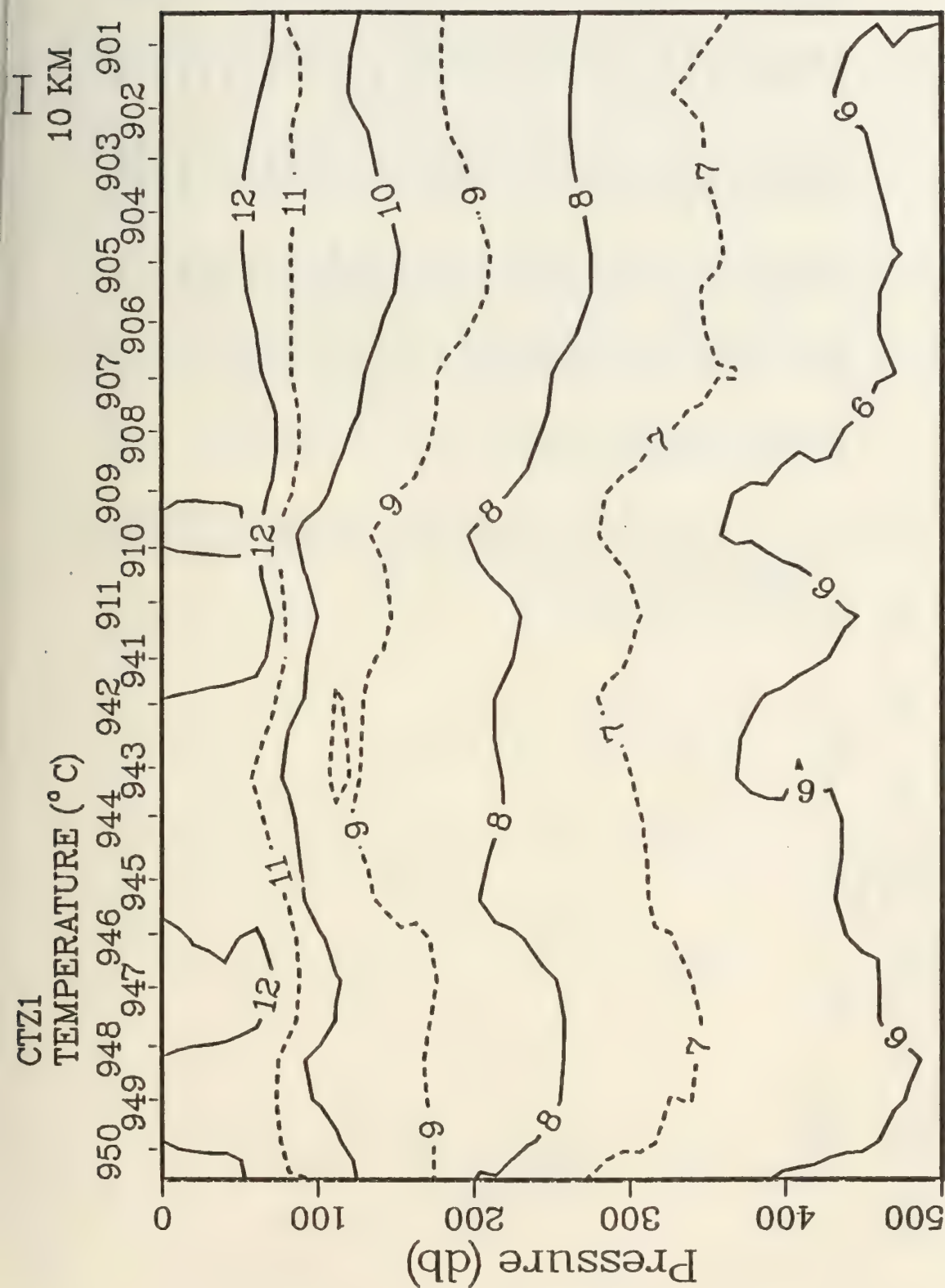
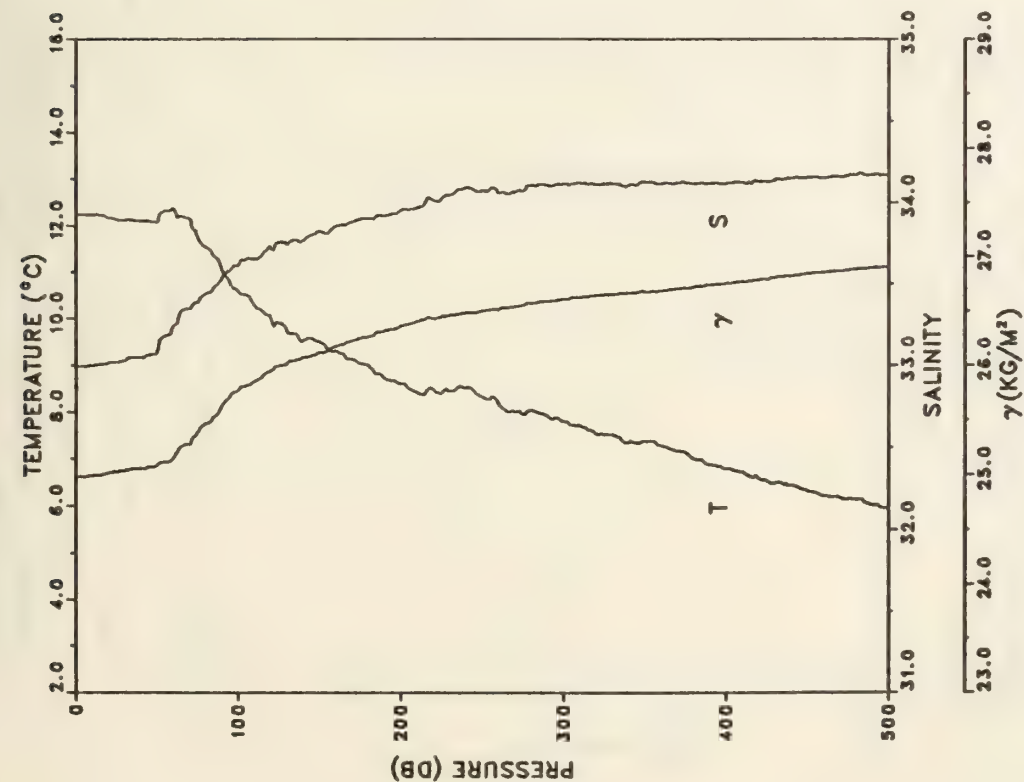


Figure 20. Vertical section of temperature from XBT drops 950-941 and 911-901.

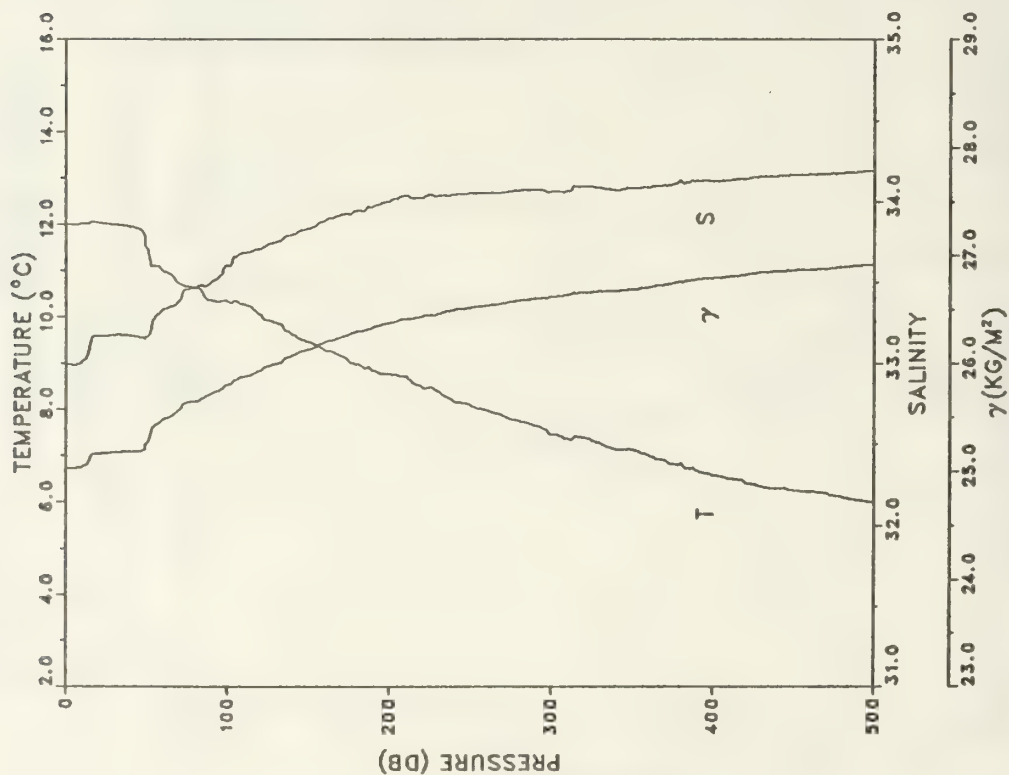
Figure 21. Vertical profiles of temperature, salinity, and density anomaly for all CTD stations of cruise CTZ1, with listing of selected data points.



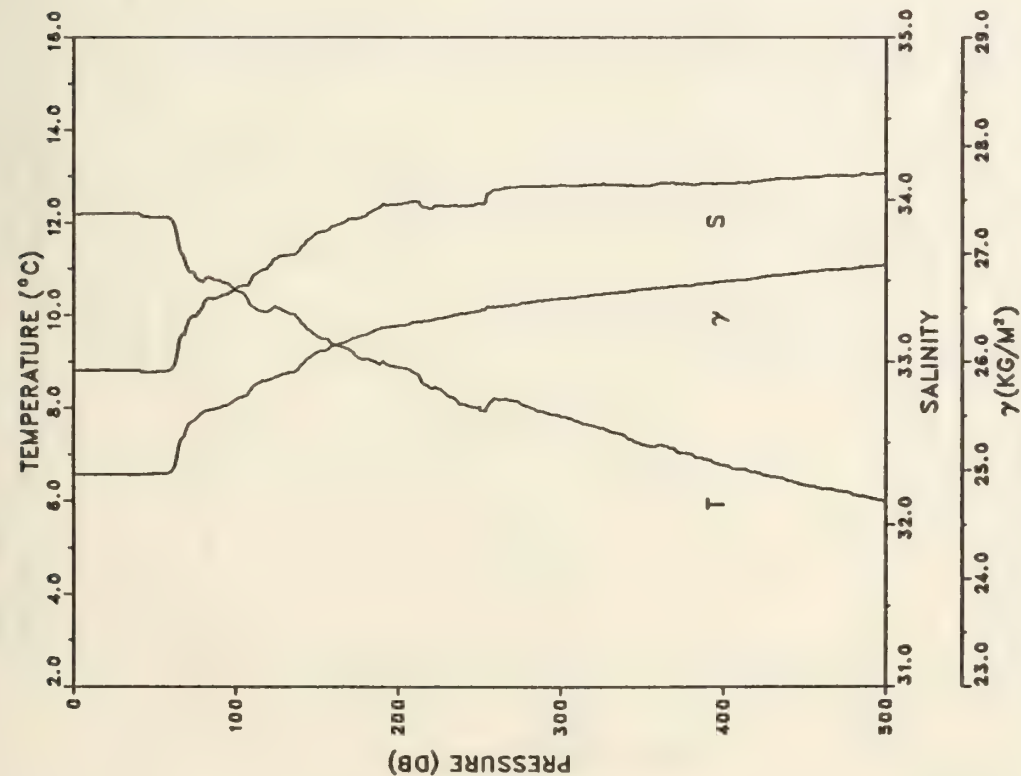
STATION: 1 LAT: 37 37.9 N LON: 123 54.3 W
DATE: 3/18/87 TIME: 0600Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.241	32.991	24.984	296.3	0.000
5	12.242	32.992	24.985	296.3	0.012
10	12.240	32.999	24.991	295.9	0.027
15	12.224	33.006	24.999	295.2	0.041
20	12.171	33.011	25.013	294.0	0.056
26	12.122	33.019	25.028	292.7	0.074
31	12.124	33.033	25.039	291.8	0.088
36	12.110	33.048	25.053	290.5	0.103
41	12.103	33.049	25.055	290.4	0.117
46	12.087	33.066	25.071	289.0	0.132
50	12.070	33.072	25.079	288.3	0.143
60	12.373	33.230	25.144	282.4	0.172
71	12.116	33.348	25.285	269.3	0.202
81	11.517	33.442	25.469	251.9	0.228
90	11.088	33.522	25.609	238.7	0.251
100	10.581	33.612	25.769	223.7	0.274
125	9.909	33.751	25.992	202.9	0.327
151	9.479	33.816	26.114	191.7	0.378
176	9.032	33.898	26.250	179.1	0.425
200	8.606	33.949	26.357	169.3	0.466
226	8.412	34.029	26.450	160.9	0.509
251	8.311	34.071	26.498	156.7	0.549
276	7.957	34.075	26.554	151.7	0.588
301	7.797	34.117	26.610	146.7	0.625
326	7.517	34.114	26.649	143.3	0.661
351	7.379	34.125	26.677	140.9	0.697
375	7.133	34.121	26.708	138.1	0.730
401	6.794	34.120	26.754	133.9	0.766
426	6.515	34.125	26.795	130.1	0.799
450	6.316	34.153	26.843	125.7	0.829
475	6.158	34.167	26.874	122.9	0.860
500	5.939	34.157	26.902	120.4	0.891

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.001	32.991	25.029	292.0	0.000
5	12.003	32.990	25.028	292.2	0.012
10	12.008	33.002	25.037	291.5	0.026
15	12.024	33.084	25.097	285.9	0.041
21	12.026	33.168	25.162	279.8	0.058
26	12.011	33.172	25.168	279.4	0.072
31	11.993	33.176	25.175	278.9	0.086
35	11.978	33.176	25.177	278.7	0.097
41	11.941	33.172	25.181	278.5	0.113
45	11.904	33.166	25.183	278.3	0.125
51	11.448	33.172	25.272	270.0	0.141
60	10.993	33.329	25.476	250.7	0.165
71	10.712	33.387	25.571	241.9	0.192
80	10.640	33.464	25.643	235.2	0.213
91	10.352	33.507	25.727	227.5	0.239
100	10.339	33.599	25.801	220.6	0.259
125	9.929	33.734	25.976	204.5	0.312
151	9.457	33.833	26.131	190.1	0.363
175	9.050	33.922	26.266	177.6	0.407
200	8.766	34.000	26.372	167.9	0.450
225	8.480	34.041	26.449	161.0	0.492
251	8.073	34.052	26.519	154.7	0.533
276	7.769	34.064	26.573	149.8	0.571
301	7.450	34.061	26.616	145.9	0.608
325	7.312	34.090	26.659	142.2	0.642
351	7.107	34.083	26.682	140.2	0.679
375	6.816	34.108	26.741	134.7	0.712
401	6.572	34.127	26.789	130.4	0.746
426	6.385	34.149	26.831	126.6	0.778
450	6.252	34.164	26.860	124.1	0.809
476	6.130	34.172	26.882	122.2	0.841
500	5.994	34.190	26.914	119.4	0.870



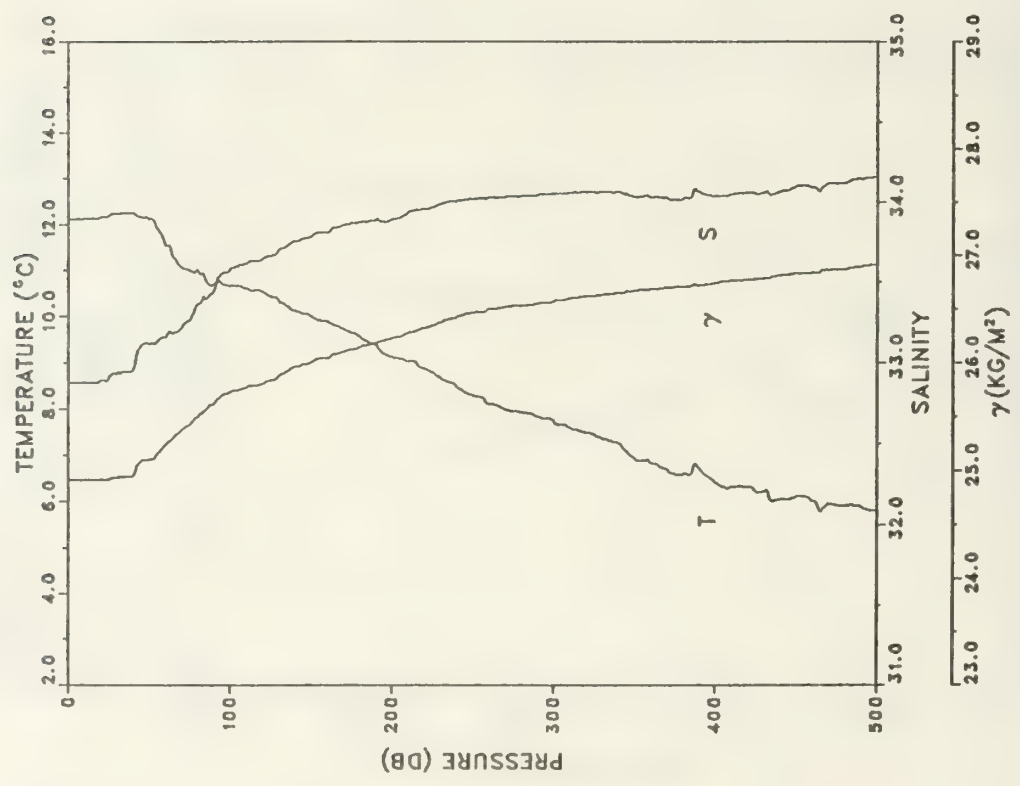
STATION: 2 LAT: 37 45.7 N LON: 123 58.0 W
DATE: 3/18/87 TIME: 0736Z



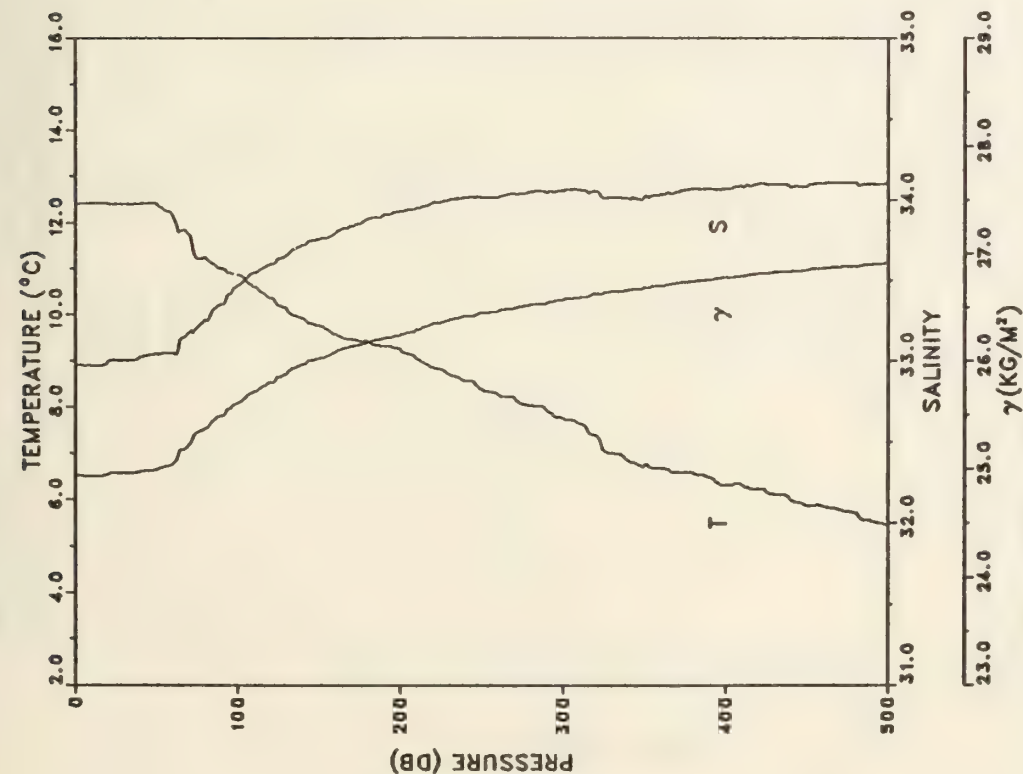
STATION: 3 LAT: 37 52.9 N LON: 124 3.7 W
DATE: 3/18/87 TIME: 0906Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.189	32.946	24.959	298.7	0.000
5	12.196	32.946	24.958	298.9	0.012
10	12.194	32.946	24.958	299.0	0.027
15	12.193	32.946	24.958	299.1	0.042
20	12.193	32.946	24.958	299.2	0.057
25	12.197	32.946	24.958	299.4	0.072
31	12.198	32.946	24.957	299.5	0.090
36	12.199	32.946	24.957	299.7	0.105
41	12.189	32.945	24.958	299.7	0.120
46	12.123	32.933	24.961	299.5	0.135
51	12.120	32.936	24.964	299.3	0.150
61	12.050	32.956	24.993	296.8	0.179
70	11.068	33.202	25.364	261.6	0.205
80	10.716	33.335	25.530	246.0	0.230
91	10.744	33.401	25.576	241.9	0.257
101	10.516	33.459	25.661	234.0	0.281
125	10.175	33.634	25.856	215.9	0.335
150	9.546	33.794	26.086	194.4	0.386
176	9.073	33.884	26.133	180.8	0.435
200	8.875	33.973	26.334	171.6	0.477
228	8.404	33.966	26.401	165.5	0.521
250	8.024	33.976	26.466	159.6	0.560
276	8.084	34.082	26.541	153.0	0.600
301	7.812	34.090	26.587	148.9	0.638
325	7.564	34.092	26.625	145.6	0.673
350	7.213	34.085	26.669	141.5	0.709
376	7.036	34.099	26.704	138.4	0.746
401	6.767	34.101	26.742	134.9	0.780
426	6.551	34.122	26.788	130.8	0.813
450	6.344	34.139	26.828	127.1	0.844
475	6.203	34.152	26.857	124.6	0.876
500	5.975	34.163	26.895	121.2	0.906

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.114	32.873	24.917	302.7	0.000
5	12.114	32.873	24.917	302.8	0.012
10	12.125	32.874	24.915	303.1	0.027
15	12.129	32.875	24.915	303.2	0.042
20	12.147	32.885	24.920	302.9	0.058
25	12.189	32.895	24.920	303.0	0.073
31	12.230	32.937	24.944	300.8	0.091
36	12.258	32.942	24.943	301.0	0.106
40	12.261	32.946	24.945	300.9	0.118
45	12.170	33.091	25.075	288.6	0.133
50	12.120	33.115	25.103	286.1	0.147
61	11.534	33.161	25.248	272.5	0.178
70	11.087	33.207	25.364	261.6	0.202
81	10.968	33.364	25.508	248.2	0.230
91	10.706	33.453	25.623	237.4	0.254
100	10.662	33.572	25.724	228.0	0.275
125	10.432	33.662	25.834	218.0	0.331
151	9.990	33.784	26.005	202.3	0.385
175	9.648	33.864	26.124	191.3	0.433
201	9.111	33.889	26.231	181.5	0.481
226	8.774	33.965	26.344	171.1	0.525
251	8.275	34.019	26.463	160.1	0.567
276	7.940	34.034	26.524	154.5	0.606
300	7.749	34.048	26.563	151.1	0.643
325	7.441	34.061	26.618	146.1	0.680
350	6.925	34.034	26.688	141.3	0.716
375	6.583	34.015	26.699	138.5	0.751
400	6.401	34.035	26.739	134.9	0.785
426	6.194	34.047	26.775	131.7	0.819
450	6.104	34.096	26.825	127.2	0.851
475	5.921	34.115	26.853	123.7	0.882
500	5.804	34.153	26.908	119.7	0.912



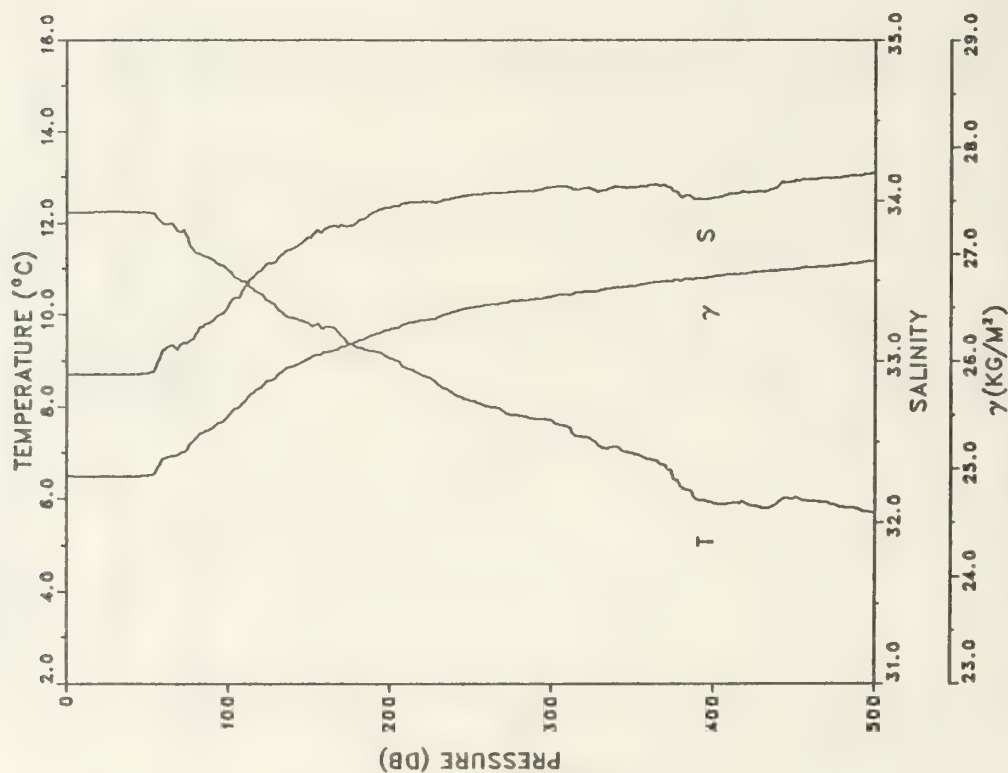
STATION: 4 LAT: 37 59.2 N LON: 124 8.0 W
 DATE: 3/18/87 TIME: 1023Z



STATION: 5 LAT: 38 6.9 N LON: 124 10.1 W
DATE: 3/18/87 TIME: 1148Z

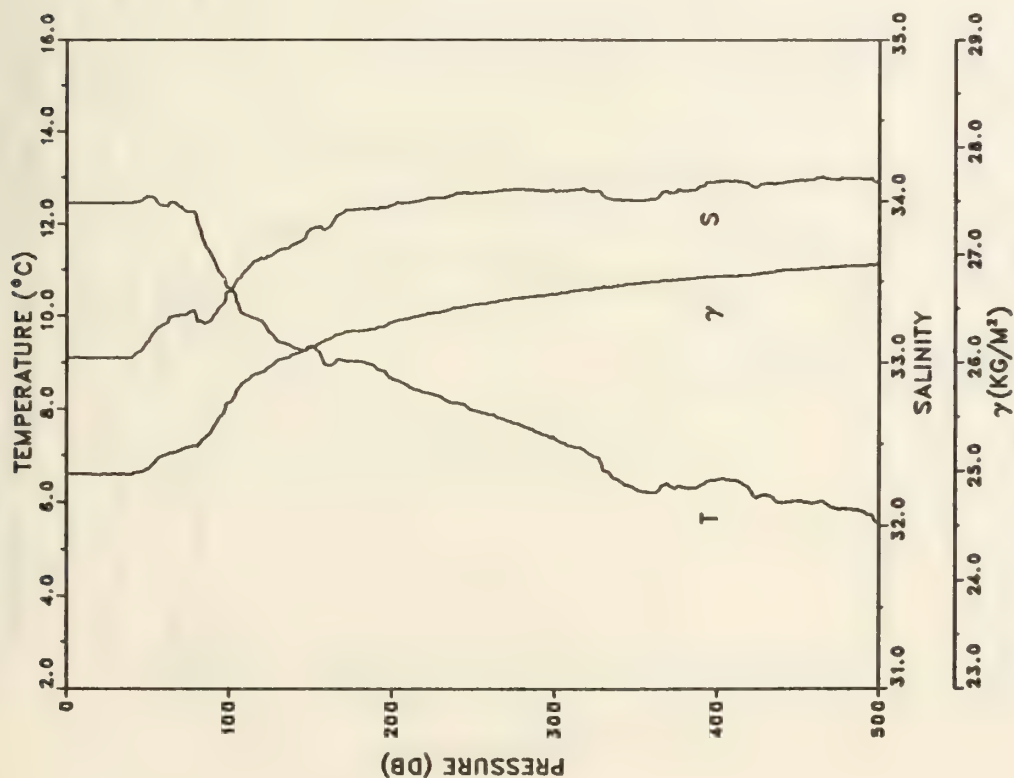
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.415	32.974	24.938	300.7	0.000
5	12.428	32.971	24.933	301.3	0.012
10	12.433	32.971	24.932	301.5	0.027
15	12.432	32.970	24.932	301.6	0.042
21	12.409	32.996	24.956	299.4	0.060
26	12.401	33.001	24.961	299.0	0.075
30	12.401	33.001	24.961	299.1	0.087
35	12.403	33.002	24.962	299.2	0.102
40	12.414	33.021	24.974	298.1	0.117
45	12.422	33.033	24.982	297.5	0.132
50	12.419	33.040	24.988	297.0	0.147
60	12.180	33.049	25.041	292.3	0.176
70	11.763	33.171	25.213	276.0	0.205
80	11.259	33.254	25.370	261.3	0.232
90	11.002	33.349	25.490	250.0	0.257
100	10.868	33.468	25.607	239.2	0.282
126	10.201	33.635	25.852	216.2	0.341
151	9.752	33.759	26.025	200.3	0.393
175	9.429	33.852	26.151	188.7	0.440
200	9.245	33.928	26.240	180.7	0.486
225	8.813	33.985	26.353	170.2	0.530
251	8.361	34.011	26.443	161.9	0.573
275	8.056	34.035	26.508	156.1	0.611
300	7.758	34.054	26.567	150.8	0.649
325	7.063	34.008	26.629	144.8	0.686
350	6.734	34.015	26.679	140.2	0.722
375	6.592	34.060	26.734	135.3	0.756
401	6.317	34.068	26.776	131.4	0.791
426	6.153	34.090	26.814	128.0	0.823
450	5.864	34.084	26.846	125.0	0.854
475	5.744	34.108	26.880	122.0	0.885
500	5.456	34.100	26.908	119.3	0.915

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.235	32.916	24.927	301.7	0.000
5	12.232	32.915	24.927	301.8	0.012
10	12.240	32.915	24.925	302.1	0.027
15	12.240	32.914	24.925	302.3	0.042
20	12.244	32.914	24.924	302.5	0.057
26	12.245	32.915	24.924	302.5	0.076
31	12.245	32.915	24.924	302.7	0.091
35	12.245	32.915	24.924	302.8	0.103
40	12.241	32.915	24.925	302.8	0.118
45	12.237	32.916	24.927	302.8	0.133
51	12.223	32.924	24.936	302.1	0.151
60	11.978	33.067	25.093	287.3	0.178
70	11.802	33.086	25.140	283.0	0.206
81	11.341	33.175	25.294	268.5	0.237
91	11.192	33.251	25.380	260.6	0.263
101	10.933	33.354	25.508	248.7	0.288
126	10.272	33.604	25.816	219.7	0.347
151	9.766	33.761	26.024	200.3	0.400
176	9.368	33.843	26.153	188.4	0.448
201	9.045	33.961	26.298	175.1	0.494
226	8.600	33.988	26.389	166.8	0.536
250	8.133	34.034	26.496	156.9	0.575
276	7.829	34.053	26.556	151.5	0.615
300	7.707	34.084	26.598	147.8	0.651
325	7.276	34.067	26.646	143.4	0.688
351	6.985	34.082	26.698	138.6	0.724
375	6.466	34.057	26.748	133.8	0.757
400	5.904	34.016	26.787	129.9	0.790
426	5.849	34.054	26.824	126.7	0.823
450	6.017	34.118	26.854	124.4	0.853
476	5.875	34.143	26.891	121.1	0.885
500	5.702	34.170	26.934	117.2	0.914



STATION: 6 LAT: 38 14.5 N LON: 124 16.5 W
 DATE: 3/18/87 TIME: 1323Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.454	33.029	24.973	297.4	0.000
5	12.457	33.030	24.973	297.4	0.012
11	12.459	33.029	24.972	297.7	0.030
15	12.458	33.028	24.971	297.8	0.042
20	12.459	33.027	24.971	298.0	0.057
25	12.460	33.027	24.970	298.2	0.071
31	12.462	33.030	24.972	298.1	0.089
35	12.460	33.028	24.971	298.3	0.101
40	12.461	33.028	24.971	298.5	0.116
45	12.501	33.065	24.992	296.6	0.131
51	12.596	33.131	25.025	293.6	0.149
60	12.398	33.233	25.142	282.7	0.175
70	12.382	33.290	25.189	278.4	0.203
80	12.181	33.293	25.230	274.7	0.230
91	11.226	33.285	25.400	258.6	0.260
101	10.591	33.436	25.630	236.9	0.285
125	9.647	33.654	25.960	205.9	0.338
151	9.317	33.826	26.148	188.4	0.389
176	9.028	33.945	26.288	175.6	0.434
200	8.642	33.974	26.371	168.0	0.476
226	8.302	34.020	26.459	160.0	0.518
250	7.964	34.048	26.532	153.4	0.556
276	7.689	34.072	26.591	148.0	0.595
301	7.345	34.056	26.627	144.8	0.632
326	6.975	34.064	26.685	139.4	0.667
351	6.267	34.004	26.732	134.9	0.701
375	6.308	34.053	26.765	132.1	0.734
401	6.486	34.122	26.796	129.6	0.768
425	6.113	34.093	26.822	127.2	0.798
451	6.034	34.130	26.861	123.8	0.831
475	5.844	34.130	26.885	121.6	0.860
500	5.552	34.124	26.916	118.7	0.890



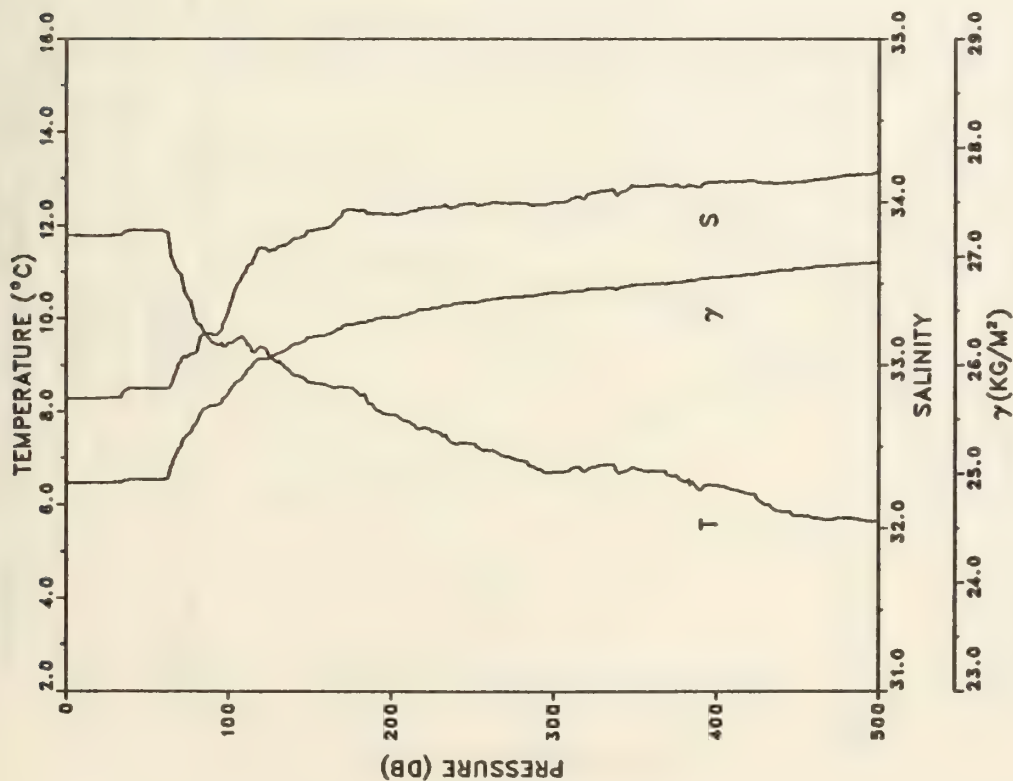
STATION: 7 LAT: 38 21.4 N LON: 124 21.8 W
DATE: 3/18/87 TIME: 1500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.097	32.840	24.894	304.9	0.000
5	12.097	32.840	24.894	305.0	0.012
10	12.090	32.840	24.896	304.9	0.027
15	12.094	32.840	24.895	305.1	0.043
21	12.121	32.848	24.896	305.2	0.061
26	12.154	32.862	24.901	304.8	0.076
30	12.351	32.938	24.922	302.9	0.088
35	12.359	32.937	24.920	303.2	0.104
40	12.356	32.937	24.920	303.3	0.119
46	12.342	32.938	24.924	303.1	0.137
50	12.396	32.953	24.925	303.0	0.149
61	12.154	32.920	24.946	301.3	0.182
71	11.891	32.915	24.991	297.2	0.212
81	11.413	33.015	25.156	281.6	0.241
91	10.430	33.210	25.482	250.8	0.268
100	9.851	33.337	25.679	232.1	0.289
125	8.985	33.557	25.991	202.8	0.344
150	8.655	33.774	26.212	182.2	0.392
176	8.204	33.874	26.359	168.5	0.438
200	8.251	33.964	26.423	162.9	0.477
226	7.956	34.003	26.498	156.2	0.519
251	7.755	34.035	26.552	151.3	0.557
276	7.335	34.019	26.600	147.0	0.595
301	6.764	33.988	26.654	141.9	0.631
325	6.663	34.038	26.707	137.2	0.664
350	6.432	34.054	26.750	133.3	0.698
375	6.370	34.077	26.776	131.1	0.731
401	5.693	34.015	26.813	127.4	0.765
426	5.632	34.072	26.865	122.7	0.796
451	5.868	34.149	26.897	120.2	0.826
476	5.813	34.176	26.925	117.8	0.856
500	5.426	34.165	26.963	114.1	0.884



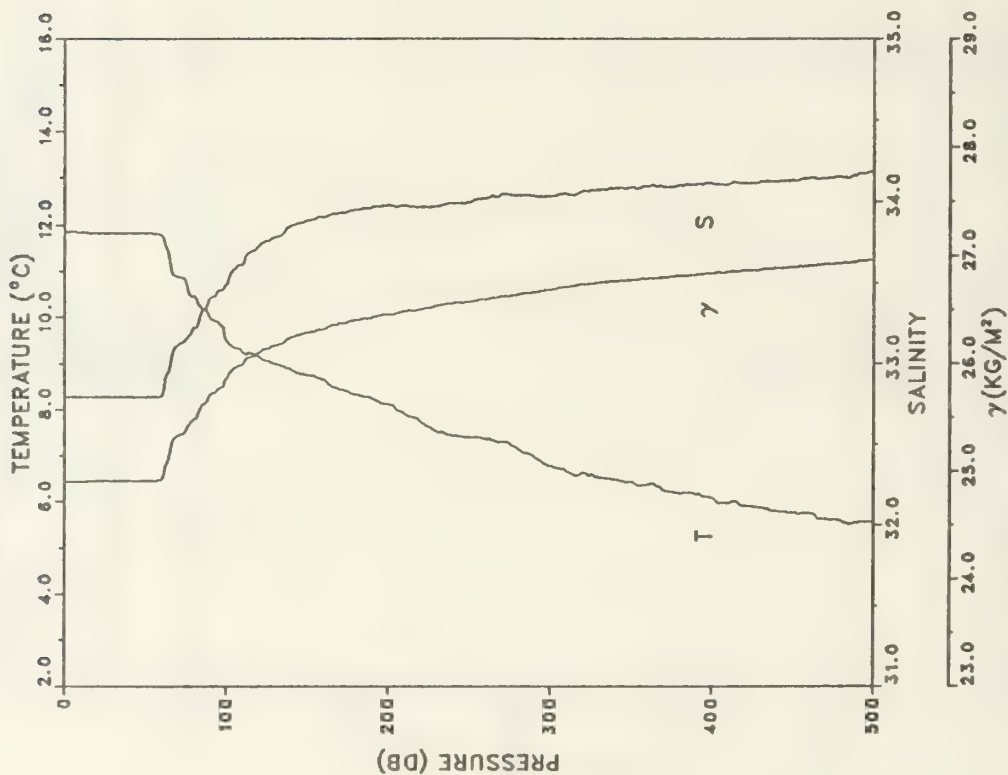
STATION: 8 LAT: 38 28.9 N LON: 124 25.5 W
DATE: 3/18/87 TIME: 1630Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.786	32.793	24.916	302.8	0.000
6	11.781	32.793	24.917	302.8	0.015
10	11.780	32.794	24.918	302.8	0.027
16	11.779	32.792	24.916	303.1	0.045
21	11.780	32.794	24.918	303.1	0.061
26	11.781	32.795	24.918	303.1	0.076
31	11.787	32.799	24.920	303.0	0.091
35	11.823	32.825	24.934	301.9	0.103
40	11.897	32.854	24.942	301.1	0.118
45	11.896	32.857	24.945	301.0	0.133
51	11.893	32.857	24.946	301.1	0.151
61	11.864	32.855	24.949	300.9	0.181
70	10.976	33.009	25.230	274.3	0.207
80	9.976	33.070	25.450	253.5	0.234
90	9.497	33.189	25.621	237.3	0.258
100	9.481	33.327	25.732	227.0	0.281
125	9.206	33.696	26.065	195.9	0.334
150	8.619	33.824	26.257	177.9	0.381
176	8.505	33.952	26.375	167.2	0.426
200	7.936	33.927	26.441	161.1	0.465
225	7.575	33.967	26.525	153.4	0.504
250	7.312	33.991	26.581	148.4	0.542
276	6.991	33.991	26.625	144.4	0.580
301	6.719	33.997	26.667	140.6	0.616
325	6.817	34.058	26.702	137.7	0.649
350	6.783	34.097	26.737	134.7	0.683
375	6.634	34.104	26.763	132.6	0.717
401	6.413	34.122	26.806	128.7	0.751
426	6.118	34.121	26.843	125.2	0.782
450	5.762	34.119	26.886	121.1	0.812
476	5.711	34.154	26.920	118.2	0.843
500	5.648	34.177	26.946	115.9	0.871



STATION: 9 LAT: 38 34.0 N LON: 124 28.7 W
DATE: 3/18/87 TIME: 1800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.853	32.792	24.902	304.1	0.000
5	11.853	32.792	24.902	304.2	0.012
10	11.846	32.790	24.902	304.3	0.027
15	11.828	32.791	24.906	304.0	0.043
21	11.823	32.790	24.906	304.1	0.061
26	11.820	32.791	24.908	304.1	0.076
31	11.819	32.791	24.908	304.2	0.091
36	11.819	32.791	24.908	304.3	0.106
41	11.819	32.791	24.908	304.4	0.122
46	11.819	32.791	24.908	304.5	0.137
50	11.819	32.789	24.906	304.8	0.149
60	11.789	32.795	24.917	304.0	0.180
71	10.873	33.120	25.335	264.4	0.211
80	10.473	33.224	25.485	250.2	0.234
91	9.948	33.412	25.721	227.9	0.260
101	9.456	33.498	25.869	214.0	0.282
126	9.057	33.759	26.138	188.9	0.333
151	8.743	33.884	26.285	175.3	0.378
176	8.373	33.938	26.384	166.2	0.421
200	8.108	33.976	26.454	160.0	0.460
226	7.598	33.967	26.521	153.8	0.501
251	7.390	33.994	26.572	149.2	0.539
275	7.263	34.039	26.626	144.5	0.574
301	6.757	34.030	26.688	138.7	0.611
326	6.588	34.068	26.740	134.0	0.645
350	6.437	34.085	26.774	131.0	0.677
375	6.212	34.086	26.804	128.4	0.709
401	6.080	34.108	26.838	125.4	0.742
426	5.888	34.112	26.865	122.9	0.773
450	5.768	34.128	26.893	120.5	0.802
475	5.613	34.143	26.924	117.7	0.832
500	5.564	34.184	26.962	114.4	0.861



STATION: 10 LAT: 38 43.0 N LON: 124 36.9 W
DATE: 3/18/87 TIME: 1930Z



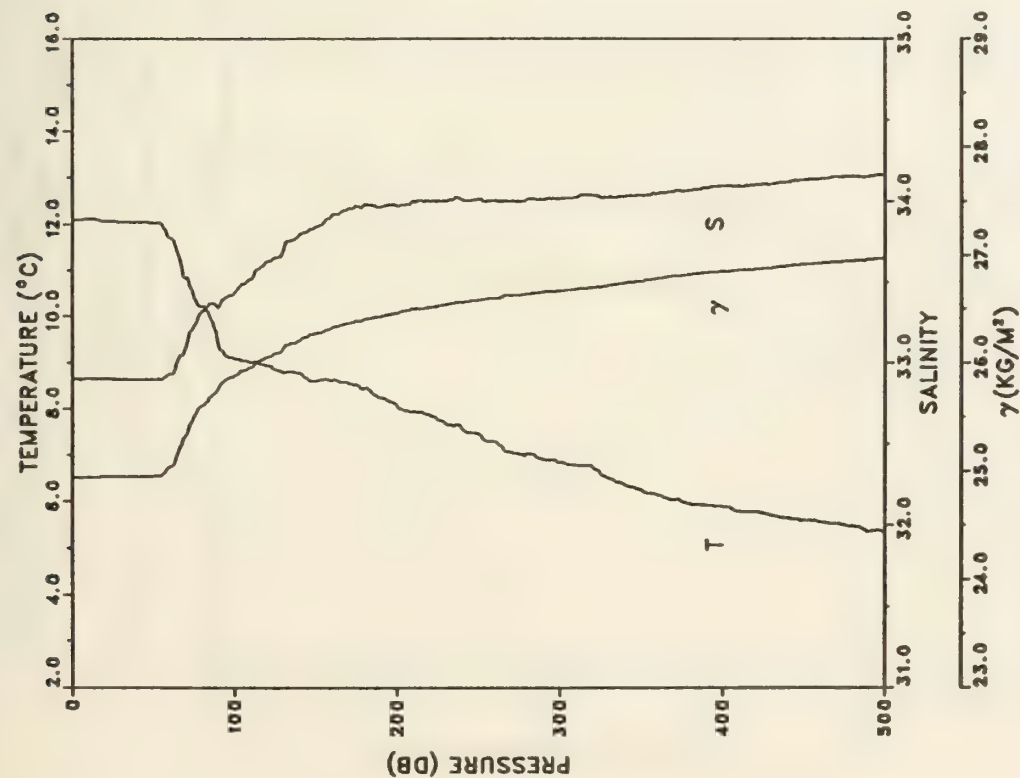
STATION: 11 LAT: 38 50.1 N LON: 124 39.4 W
 DATE: 3/18/87 TIME: 2053Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.034	32.864	24.925	302.0	0.000
6	12.030	32.864	24.925	302.0	0.015
10	12.029	32.862	24.924	302.2	0.027
15	12.032	32.863	24.924	302.3	0.042
20	12.022	32.863	24.926	302.3	0.057
25	12.019	32.861	24.925	302.5	0.073
31	12.001	32.861	24.929	302.3	0.091
35	11.999	32.861	24.929	302.3	0.103
41	11.995	32.862	24.930	302.3	0.121
46	11.987	32.861	24.931	302.3	0.136
50	11.983	32.862	24.933	302.3	0.148
61	11.183	32.901	25.109	285.7	0.180
70	11.010	33.040	25.248	272.6	0.206
81	10.523	33.207	25.463	252.3	0.234
90	9.940	33.364	25.635	231.4	0.256
101	9.515	33.519	25.876	213.3	0.281
125	8.662	33.689	26.145	188.1	0.329
150	8.453	33.888	26.333	170.7	0.374
176	8.360	33.966	26.408	164.0	0.417
200	8.146	33.999	26.466	158.8	0.456
226	7.846	34.040	26.543	151.9	0.496
250	7.523	34.034	26.585	148.1	0.532
276	7.218	34.033	26.627	144.3	0.570
300	6.925	34.027	26.663	141.1	0.605
325	6.504	34.008	26.704	137.3	0.639
351	6.344	34.038	26.747	133.5	0.675
376	6.182	34.048	26.777	130.8	0.708
401	6.041	34.067	26.810	127.9	0.740
426	5.765	34.067	26.845	124.7	0.772
450	5.696	34.092	26.873	122.3	0.801
475	5.563	34.107	26.901	119.8	0.831
500	5.413	34.125	26.933	116.9	0.861

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.109	32.888	24.929	301.5	0.000
6	12.095	32.887	24.931	301.5	0.015
11	12.092	32.887	24.932	301.5	0.030
15	12.083	32.888	24.934	301.4	0.042
20	12.085	32.887	24.933	301.6	0.057
26	12.080	32.887	24.934	301.6	0.075
31	12.076	32.887	24.935	301.7	0.090
35	12.074	32.886	24.934	301.8	0.103
40	12.064	32.884	24.935	301.9	0.118
45	12.060	32.885	24.936	301.9	0.133
50	12.056	32.883	24.935	302.0	0.148
61	12.048	32.888	24.941	301.8	0.181
71	11.404	32.949	25.107	286.1	0.210
80	10.998	33.129	25.320	266.0	0.235
90	9.965	33.196	25.550	244.2	0.261
100	9.553	33.238	25.650	234.8	0.285
125	9.079	33.596	26.007	201.3	0.339
151	8.650	33.790	26.226	180.9	0.389
175	8.576	33.929	26.346	169.9	0.431
200	8.141	33.944	26.424	162.8	0.473
225	7.711	33.983	26.518	154.1	0.512
251	7.474	34.023	26.583	148.3	0.552
276	7.154	34.028	26.632	143.8	0.588
300	6.772	34.031	26.687	138.8	0.622
325	6.544	34.051	26.733	134.6	0.656
350	6.257	34.062	26.779	130.4	0.689
375	6.138	34.078	26.807	128.0	0.722
400	5.955	34.096	26.844	124.6	0.753
425	5.733	34.102	26.876	121.7	0.784
450	5.531	34.109	26.907	119.0	0.814
476	5.301	34.122	26.944	115.5	0.845
500	5.294	34.153	26.970	113.3	0.872



STATION: 12 LAT: 38 57.4 N LONG: 124 44.0 W
 DATE: 3/18/87 TIME: 2218Z



STATION: 13 LAT: 38 53.2 N LON: 124 53.6 W
DATE: 3/18/87 TIME: 2330Z

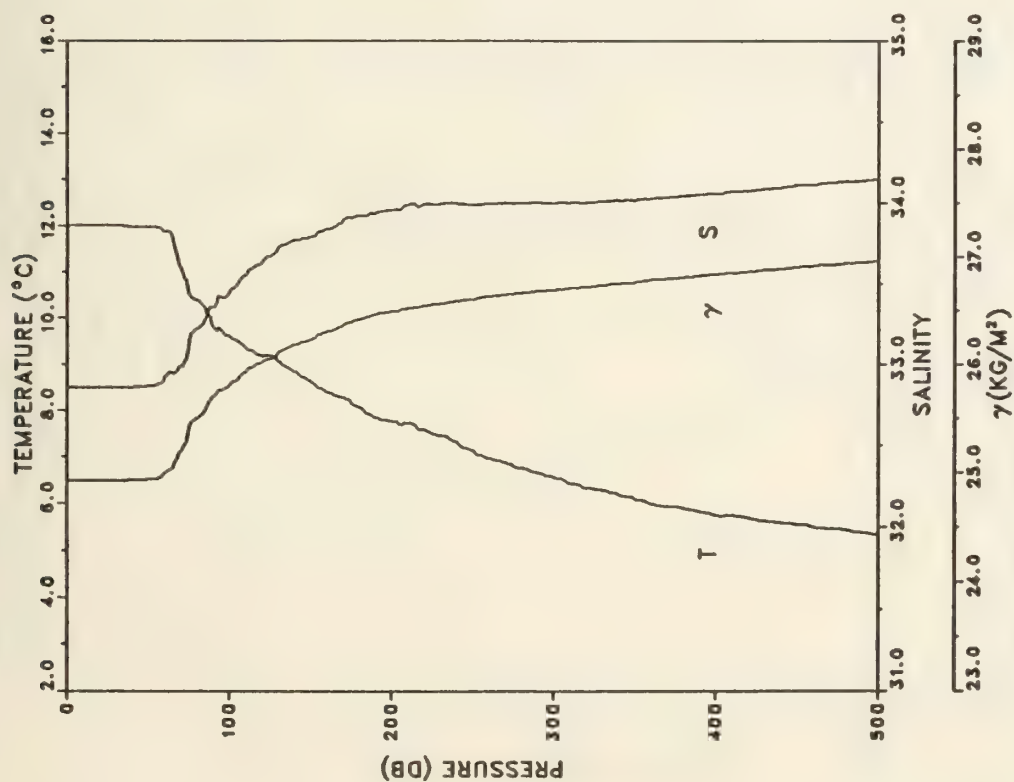
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.104	32.898	24.938	300.7	0.000
6	12.106	32.898	24.938	300.9	0.015
11	12.111	32.900	24.938	300.9	0.030
15	12.101	32.899	24.939	300.9	0.042
21	12.071	32.899	24.945	300.5	0.060
25	12.063	32.897	24.945	300.6	0.072
31	12.056	32.897	24.946	300.6	0.090
36	12.050	32.896	24.946	300.7	0.105
41	12.044	32.897	24.948	300.6	0.120
45	12.041	32.896	24.948	300.7	0.132
51	12.034	32.897	24.950	300.6	0.150
61	11.703	32.930	25.037	292.5	0.180
71	10.849	33.126	25.344	263.5	0.208
81	10.207	33.323	25.608	238.5	0.233
91	9.307	33.347	25.775	222.7	0.256
100	9.084	33.432	25.877	213.1	0.276
126	8.837	33.652	26.089	193.5	0.328
150	8.597	33.839	26.272	176.5	0.373
176	8.518	33.970	26.387	166.0	0.417
200	8.074	33.970	26.454	159.9	0.456
225	7.749	34.005	26.529	153.1	0.496
251	7.451	34.012	26.578	148.7	0.535
275	7.025	33.997	26.625	144.4	0.570
301	6.847	34.018	26.666	140.8	0.607
326	6.581	34.017	26.701	137.7	0.642
350	6.269	34.036	26.757	132.5	0.674
376	5.992	34.062	26.813	127.3	0.708
400	5.894	34.094	26.850	124.0	0.738
426	5.746	34.104	26.876	121.7	0.770
451	5.592	34.130	26.916	118.2	0.800
475	5.497	34.152	26.945	115.8	0.828
500	5.354	34.161	26.969	113.5	0.857

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.017	32.867	24.930	301.4	0.000
5	12.015	32.868	24.931	301.4	0.012
10	12.017	32.866	24.929	301.7	0.027
15	12.019	32.868	24.931	301.7	0.042
20	12.016	32.866	24.930	301.9	0.057
26	11.976	32.864	24.935	301.5	0.075
30	11.976	32.861	24.933	301.8	0.087
35	11.972	32.862	24.935	301.8	0.103
41	11.958	32.860	24.936	301.8	0.121
45	11.951	32.859	24.936	301.8	0.133
50	11.944	32.860	24.938	301.7	0.148
61	11.692	33.044	25.128	283.9	0.180
71	11.596	33.145	25.224	275.0	0.208
81	11.165	33.134	25.294	268.5	0.235
91	10.240	33.203	25.509	248.2	0.261
101	9.430	33.438	25.827	218.0	0.284
126	8.999	33.682	26.087	193.7	0.336
150	8.601	33.899	26.319	172.1	0.380
175	7.933	33.917	26.433	161.4	0.421
201	7.684	33.972	26.513	154.2	0.462
226	7.327	33.976	26.567	149.3	0.500
250	6.935	33.973	26.619	144.6	0.536
276	6.574	33.967	26.663	140.6	0.573
300	6.329	33.972	26.699	137.4	0.606
325	6.179	33.992	26.734	134.3	0.640
351	5.980	34.007	26.771	131.0	0.674
375	5.831	34.026	26.804	128.0	0.706
401	5.684	34.032	26.827	126.0	0.739
425	5.644	34.063	26.856	123.5	0.769
451	5.457	34.076	26.889	120.5	0.800
476	5.332	34.105	26.927	117.1	0.830
500	5.222	34.129	26.959	114.2	0.858



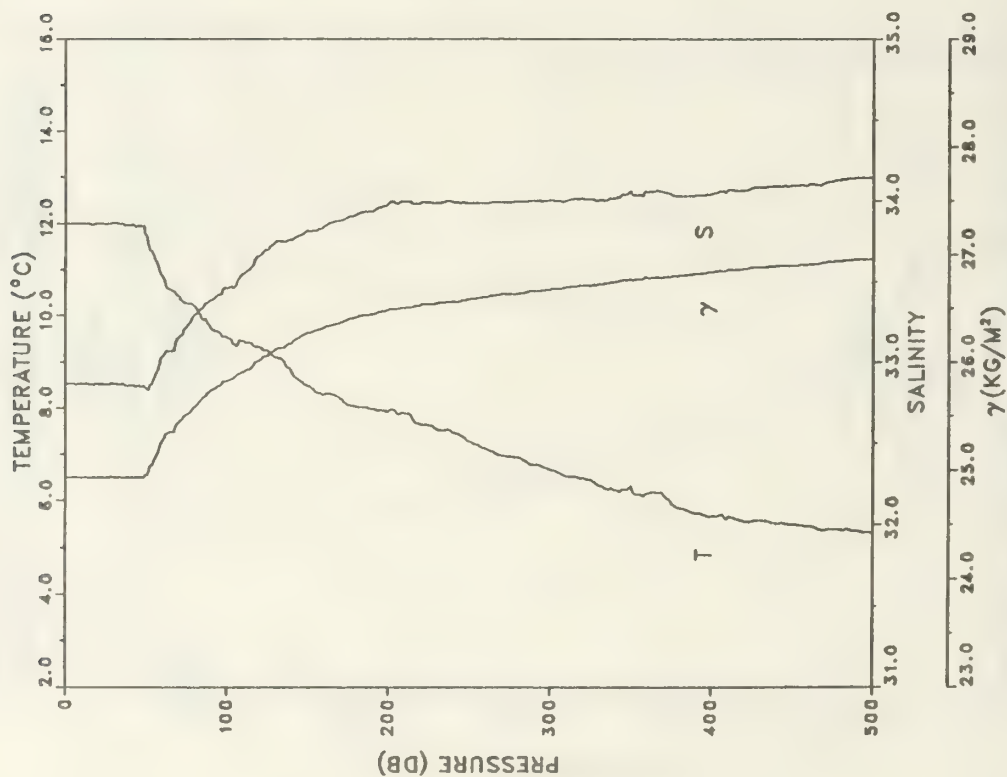
STATION: 14 LAT: 38 50.4 N LON: 125 1.1 W
 DATE: 3/19/87 TIME: 0041Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.006	32.855	24.923	302.1	0.000
6	12.010	32.856	24.923	302.2	0.015
10	12.011	32.855	24.922	302.4	0.027
15	12.010	32.856	24.923	302.4	0.042
20	12.013	32.856	24.922	302.6	0.057
26	12.006	32.855	24.923	302.7	0.076
31	12.007	32.855	24.923	302.8	0.091
36	11.993	32.856	24.926	302.6	0.106
40	11.982	32.857	24.929	302.4	0.118
45	11.977	32.860	24.932	302.2	0.133
51	11.981	32.864	24.935	302.1	0.151
61	11.882	32.924	25.000	296.2	0.181
71	11.089	32.988	25.194	277.8	0.210
81	10.374	33.222	25.501	248.7	0.236
90	9.827	33.351	25.694	230.5	0.258
101	9.576	33.455	25.816	219.0	0.282
125	9.177	33.667	26.047	197.6	0.332
151	8.622	33.785	26.226	180.9	0.382
176	8.154	33.899	26.387	165.9	0.425
200	7.761	33.953	26.487	156.7	0.464
225	7.492	33.988	26.553	150.7	0.502
251	7.121	33.985	26.603	146.2	0.541
276	6.781	33.996	26.658	141.2	0.577
301	6.558	33.999	26.690	138.3	0.612
326	6.307	34.003	26.726	135.1	0.646
350	6.099	34.012	26.760	132.1	0.678
375	5.935	34.038	26.801	128.4	0.710
401	5.749	34.056	26.838	125.0	0.743
426	5.646	34.081	26.870	122.2	0.774
451	5.548	34.109	26.905	119.2	0.804
475	5.454	34.128	26.931	118.9	0.833
500	5.333	34.148	26.961	114.2	0.862

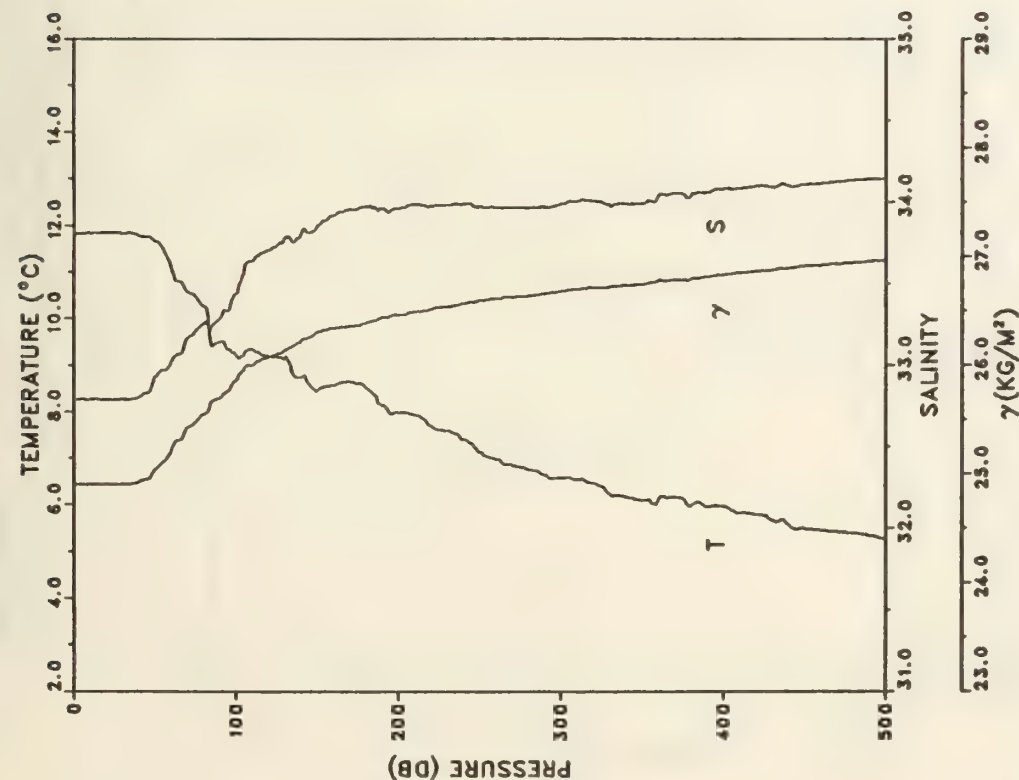


STATION: 15 LAT: 38 47.0 N LON: 125 9.6 W
DATE: 3/19/87 TIME: 0200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.997	32.867	24.934	301.1	0.000
5	11.988	32.865	24.934	301.2	0.012
10	11.995	32.865	24.933	301.4	0.027
15	11.993	32.862	24.931	301.7	0.042
21	12.000	32.862	24.929	302.0	0.060
26	12.000	32.863	24.930	302.0	0.075
31	12.010	32.865	24.930	302.1	0.090
35	12.000	32.864	24.931	302.1	0.103
41	11.964	32.856	24.932	302.2	0.121
45	11.939	32.851	24.932	302.2	0.133
51	11.704	32.826	24.956	300.0	0.151
60	10.887	33.025	25.258	271.4	0.177
70	10.438	33.145	25.430	255.3	0.203
80	10.209	33.286	25.579	241.3	0.228
91	9.696	33.380	25.738	226.3	0.253
100	9.526	33.454	25.824	218.3	0.273
125	9.243	33.695	26.058	196.5	0.325
151	8.472	33.809	26.268	176.9	0.374
175	8.063	33.896	26.398	164.8	0.415
200	7.928	33.977	26.481	157.3	0.455
226	7.620	33.986	26.533	152.7	0.495
251	7.253	33.984	26.584	148.1	0.533
276	6.949	33.990	26.630	143.9	0.570
301	6.666	34.001	26.677	139.6	0.605
326	6.438	34.009	26.714	136.4	0.639
350	6.312	34.057	26.768	131.5	0.672
375	5.974	34.035	26.794	129.1	0.704
400	5.672	34.040	26.835	125.3	0.736
426	5.573	34.080	26.879	121.4	0.768
450	5.500	34.090	26.895	120.0	0.797
475	5.385	34.118	26.931	116.8	0.827
500	5.302	34.137	26.956	114.6	0.855



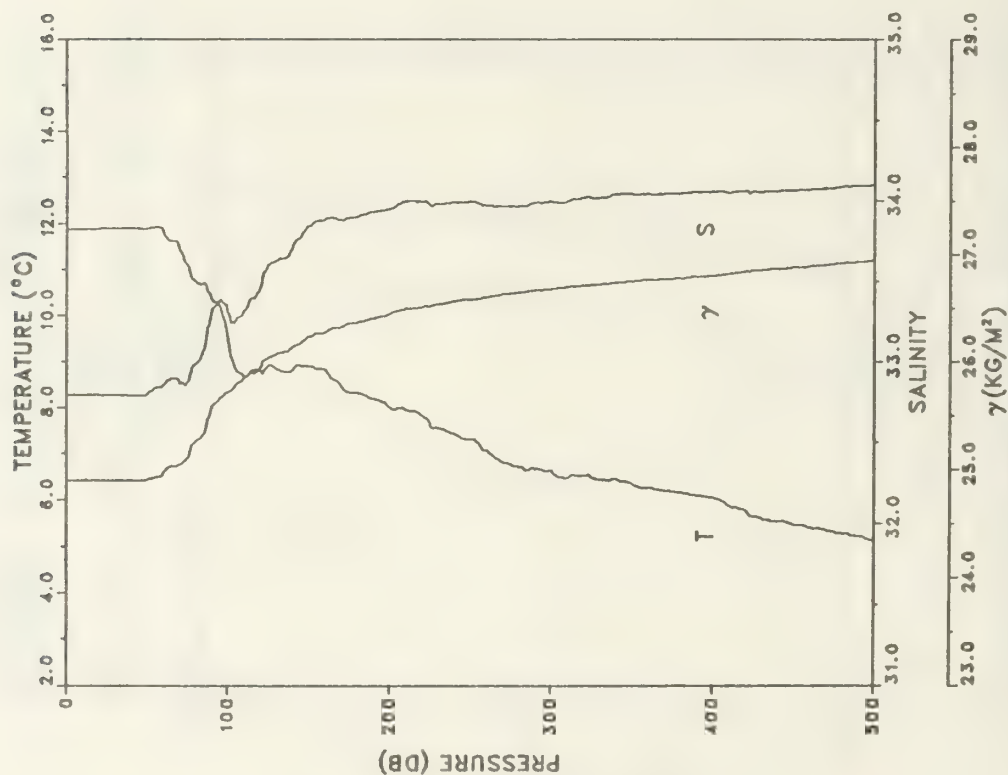
STATION: 16 LAT: 38 43.0 N LON: 125 19.1 W
 DATE: 3/19/87 TIME: 0318Z



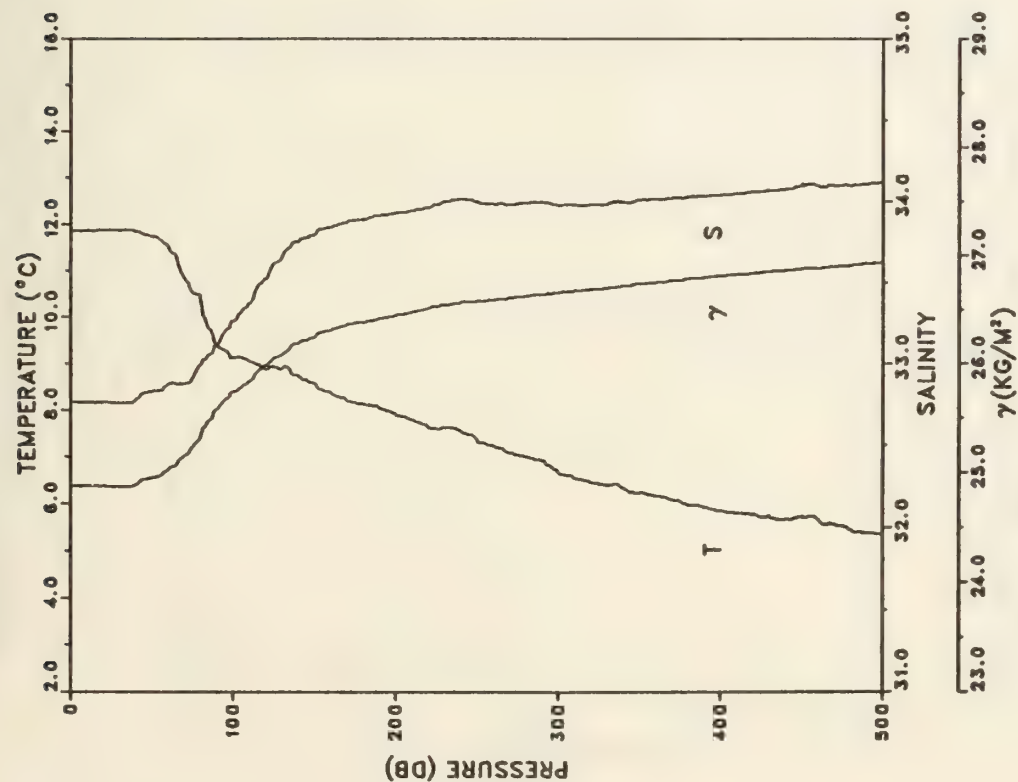
STATION: 17 LAT: 38 35.6 N LON: 125 14.4 W
 DATE: 3/19/87 TIME: 0448Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.829	32.789	24.905	303.9	0.000
5	11.831	32.790	24.905	303.9	0.012
11	11.832	32.790	24.905	304.1	0.030
16	11.835	32.788	24.903	304.4	0.046
20	11.836	32.789	24.903	304.4	0.058
25	11.837	32.789	24.903	304.5	0.073
30	11.828	32.790	24.906	304.4	0.088
35	11.833	32.789	24.904	304.7	0.103
40	11.779	32.800	24.922	303.0	0.119
45	11.758	32.827	24.947	300.8	0.134
50	11.655	32.927	25.044	291.7	0.149
61	11.012	33.033	25.242	273.0	0.180
70	10.586	33.158	25.414	256.8	0.203
80	10.267	33.255	25.545	244.5	0.229
91	9.502	33.294	25.703	229.6	0.255
100	9.223	33.438	25.860	214.8	0.275
125	9.177	33.729	26.095	193.0	0.326
151	8.462	33.855	26.306	173.3	0.373
175	8.598	33.958	26.365	168.1	0.414
200	7.980	33.960	26.460	159.3	0.455
225	7.602	33.978	26.529	153.0	0.494
251	7.127	33.972	26.592	147.3	0.533
275	6.802	33.965	26.631	143.7	0.568
301	6.573	33.987	26.678	139.4	0.605
325	6.400	34.000	26.711	136.5	0.638
351	6.094	33.990	26.743	133.7	0.673
375	6.122	34.047	26.784	130.1	0.705
401	5.965	34.084	26.833	125.7	0.738
426	5.767	34.103	26.873	122.1	0.769
451	5.476	34.108	26.912	118.4	0.799
475	5.403	34.127	26.936	116.3	0.827
500	5.268	34.143	26.965	113.8	0.856

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.876	32.791	24.897	304.6	0.000
5	11.876	32.791	24.897	304.6	0.012
10	11.878	32.791	24.897	304.8	0.027
15	11.883	32.791	24.896	305.0	0.043
20	11.884	32.790	24.895	305.2	0.058
26	11.885	32.790	24.895	305.3	0.076
31	11.886	32.791	24.896	305.4	0.092
35	11.885	32.789	24.894	305.6	0.104
41	11.885	32.789	24.894	305.7	0.122
46	11.885	32.789	24.894	305.8	0.137
50	11.888	32.796	24.899	305.5	0.150
60	11.852	32.845	24.944	301.4	0.180
71	11.407	32.861	25.038	292.7	0.213
81	10.701	32.994	25.267	271.0	0.241
91	10.311	33.329	25.595	240.0	0.266
100	9.517	33.306	25.709	229.1	0.287
125	8.902	33.597	26.035	198.6	0.341
151	8.883	33.843	26.231	180.5	0.390
176	8.331	33.893	26.355	169.0	0.434
200	7.998	33.948	26.448	160.4	0.473
225	7.657	33.971	26.516	154.3	0.513
251	7.318	33.992	26.581	148.4	0.552
276	6.741	33.964	26.638	143.0	0.589
301	6.618	33.994	26.678	139.5	0.624
326	6.478	34.014	26.712	136.5	0.658
350	6.358	34.039	26.748	133.4	0.691
375	6.181	34.041	26.772	131.3	0.724
401	6.047	34.054	26.799	128.9	0.758
426	5.644	34.056	26.851	124.0	0.789
451	5.462	34.064	26.879	121.5	0.820
475	5.323	34.077	26.906	119.1	0.849
500	5.122	34.095	26.944	115.6	0.878



STATION: 18 LAT: 38 28.5 N LON: 125 9.8 W
DATE: 3/19/87 TIME: 0618Z



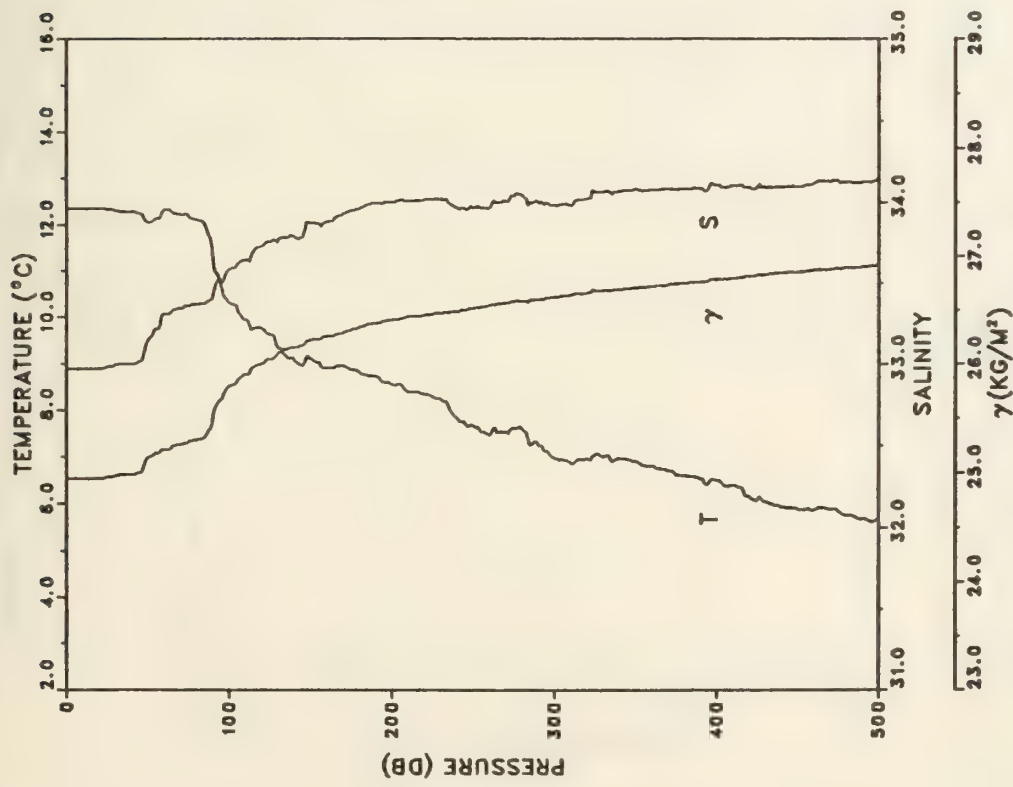
STATION: 19 LAT: 38 21.2 N LON: 125 5.1 W
 DATE: 3/19/87 TIME: 074Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.860	32.761	24.877	306.5	0.000
5	11.866	32.761	24.876	306.7	0.012
10	11.862	32.761	24.877	306.7	0.028
15	11.862	32.760	24.876	306.9	0.043
21	11.869	32.762	24.876	307.0	0.061
26	11.869	32.760	24.875	307.3	0.077
31	11.867	32.760	24.875	307.3	0.092
36	11.868	32.759	24.874	307.5	0.107
40	11.850	32.773	24.888	306.3	0.120
46	11.775	32.820	24.939	301.6	0.138
51	11.738	32.829	24.952	300.4	0.153
60	11.541	32.870	25.020	294.1	0.180
71	10.828	32.876	25.153	281.7	0.211
80	10.472	32.989	25.302	267.6	0.236
90	9.390	33.115	25.581	241.2	0.262
101	9.121	33.284	25.740	226.2	0.287
123	8.927	33.615	26.045	197.6	0.338
150	8.567	33.790	26.238	179.7	0.385
176	8.149	33.883	26.375	167.1	0.430
200	7.904	33.925	26.444	160.8	0.470
226	7.587	33.976	26.530	152.9	0.511
250	7.361	33.997	26.579	148.6	0.547
276	7.025	33.986	26.617	145.2	0.585
301	6.650	33.973	26.657	141.5	0.621
325	6.425	33.977	26.690	138.6	0.654
351	6.240	34.009	26.739	134.1	0.690
376	6.036	34.019	26.773	131.1	0.723
401	5.848	34.040	26.813	127.5	0.755
426	5.714	34.061	26.846	124.5	0.787
450	5.710	34.094	26.873	122.3	0.816
476	5.516	34.099	26.900	119.8	0.848
500	5.346	34.116	26.934	116.7	0.876



PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.309	32.970	24.955	299.1	0.000
5	12.309	32.970	24.955	299.2	0.012
11	12.310	32.970	24.955	299.3	0.030
16	12.311	32.969	24.954	299.5	0.045
20	12.312	32.968	24.953	299.7	0.057
26	12.331	32.972	24.952	299.9	0.075
31	12.334	32.974	24.953	299.9	0.090
36	12.336	32.975	24.954	300.0	0.105
41	12.334	32.973	24.953	300.2	0.120
46	12.348	32.981	24.956	300.0	0.135
51	12.432	33.039	24.985	297.4	0.150
60	12.562	33.144	25.041	292.2	0.176
71	12.523	33.208	25.099	287.1	0.208
81	12.188	33.294	25.229	274.8	0.236
91	11.433	33.200	25.297	268.5	0.263
100	10.197	33.225	25.533	246.0	0.287
126	9.339	33.555	25.933	208.4	0.346
150	9.072	33.780	26.152	188.0	0.393
175	8.803	33.893	26.283	176.0	0.439
200	8.182	33.921	26.400	165.1	0.481
226	7.863	33.981	26.494	156.5	0.523
250	7.511	33.979	26.543	152.0	0.560
276	7.178	33.990	26.599	147.0	0.599
300	6.977	34.013	26.645	142.9	0.634
325	6.757	34.024	26.683	139.5	0.669
350	6.372	34.028	26.737	134.4	0.703
375	6.214	34.054	26.778	130.8	0.737
401	6.019	34.067	26.813	127.6	0.770
425	5.837	34.077	26.844	124.9	0.800
450	5.607	34.099	26.889	120.6	0.831
475	5.506	34.119	26.917	118.2	0.861
500	5.412	34.139	26.945	115.8	0.890

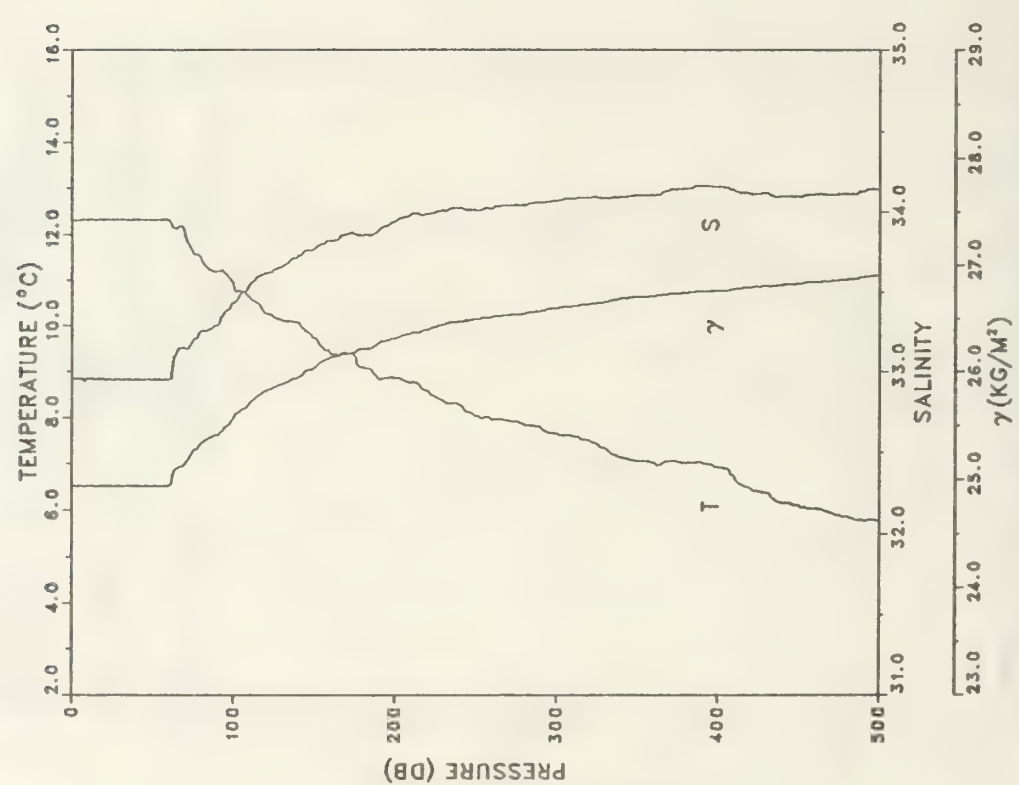
STATION: 20 LAT: 38 14.3 N LON: 124 59.9 W
 DATE: 3/19/87 TIME: 0900Z



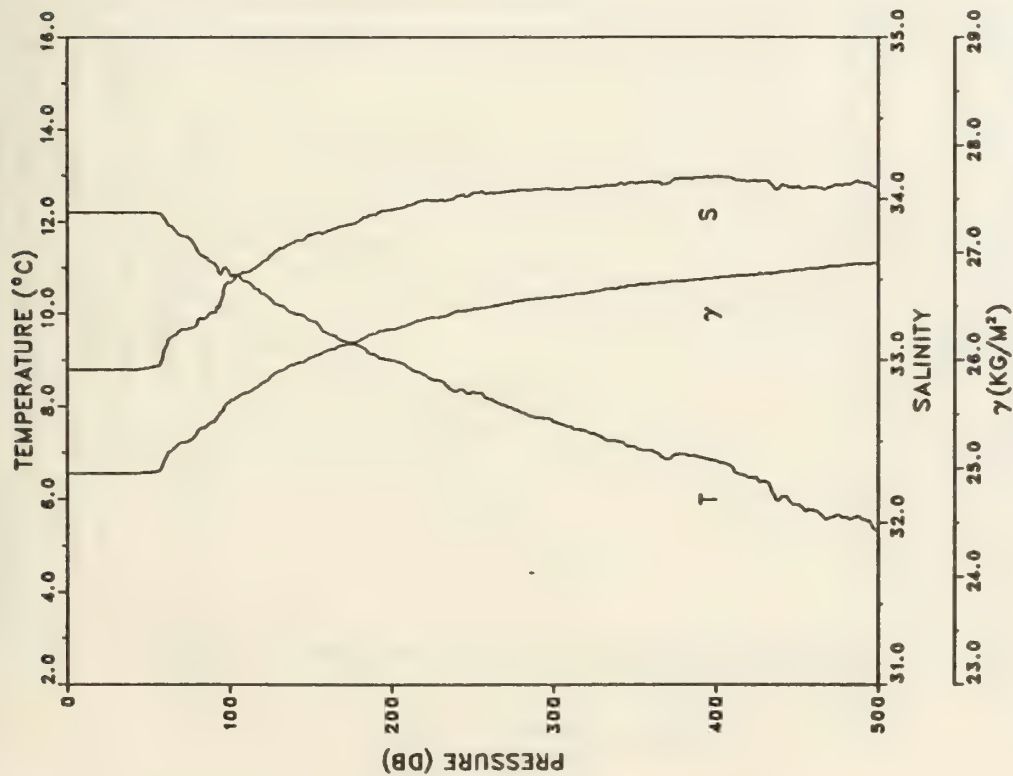
STATION: 21 LAT: 38 7.4 N LON: 124 55.5 W
 DATE: 3/19/87 TIME: 1018Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.354	32.971	24.947	299.8	0.000
6	12.353	32.970	24.947	300.0	0.015
10	12.359	32.971	24.946	300.1	0.027
15	12.356	32.970	24.946	300.3	0.042
20	12.356	32.970	24.946	300.4	0.057
26	12.337	32.982	24.959	299.3	0.075
31	12.312	32.994	24.973	298.0	0.090
36	12.289	32.999	24.981	297.4	0.105
40	12.287	33.000	24.982	297.4	0.117
46	12.238	33.015	25.003	295.5	0.135
50	12.054	33.140	25.135	283.0	0.146
61	12.334	33.306	25.211	276.1	0.177
71	12.227	33.342	25.259	271.7	0.204
80	12.113	33.368	25.301	268.0	0.229
91	11.131	33.441	25.539	245.5	0.257
100	10.318	33.579	25.789	221.8	0.278
125	9.635	33.754	26.040	198.3	0.330
151	9.094	33.872	26.220	181.6	0.380
175	8.878	33.944	26.311	173.4	0.422
200	8.550	33.997	26.403	164.9	0.465
225	8.282	34.015	26.458	160.0	0.505
251	7.639	33.967	26.515	154.7	0.546
276	7.607	34.036	26.574	149.5	0.584
301	6.977	33.981	26.619	145.3	0.621
325	7.057	34.061	26.671	140.8	0.655
350	6.914	34.079	26.705	137.9	0.690
375	6.633	34.081	26.745	134.3	0.724
401	6.507	34.107	26.782	131.0	0.759
426	6.110	34.096	26.825	127.0	0.791
450	5.890	34.097	26.853	124.4	0.821
476	5.826	34.122	26.881	122.0	0.853
500	5.676	34.144	26.917	118.8	0.882

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.313	32.953	24.941	300.4	0.000
6	12.318	32.952	24.939	300.7	0.015
10	12.325	32.952	24.938	300.9	0.027
16	12.321	32.952	24.939	301.0	0.045
21	12.325	32.951	24.937	301.2	0.060
26	12.326	32.951	24.937	301.4	0.075
31	12.321	32.951	24.938	301.4	0.090
35	12.324	32.952	24.938	301.5	0.102
41	12.326	32.950	24.936	301.8	0.120
46	12.326	32.950	24.936	301.9	0.136
50	12.325	32.950	24.936	302.0	0.148
61	12.282	32.953	24.947	301.2	0.181
71	11.951	33.139	25.154	281.7	0.210
81	11.415	33.252	25.340	264.1	0.237
91	11.184	33.288	25.410	257.7	0.263
100	10.956	33.434	25.564	243.2	0.286
126	10.182	33.640	25.860	215.6	0.346
151	9.731	33.771	26.038	199.0	0.397
176	9.306	33.860	26.177	186.2	0.445
200	8.863	33.940	26.310	173.9	0.489
226	8.433	34.001	26.424	163.3	0.533
251	8.030	34.010	26.492	157.1	0.573
276	7.907	34.039	26.533	153.6	0.611
301	7.647	34.069	26.595	148.1	0.649
325	7.418	34.087	26.641	143.9	0.684
350	7.061	34.102	26.703	138.2	0.719
376	7.039	34.138	26.735	135.6	0.755
401	6.917	34.153	26.763	133.1	0.789
426	6.398	34.113	26.801	129.5	0.821
450	6.113	34.096	26.824	127.3	0.852
475	5.902	34.108	26.860	124.0	0.884
500	5.775	34.139	26.901	120.4	0.914



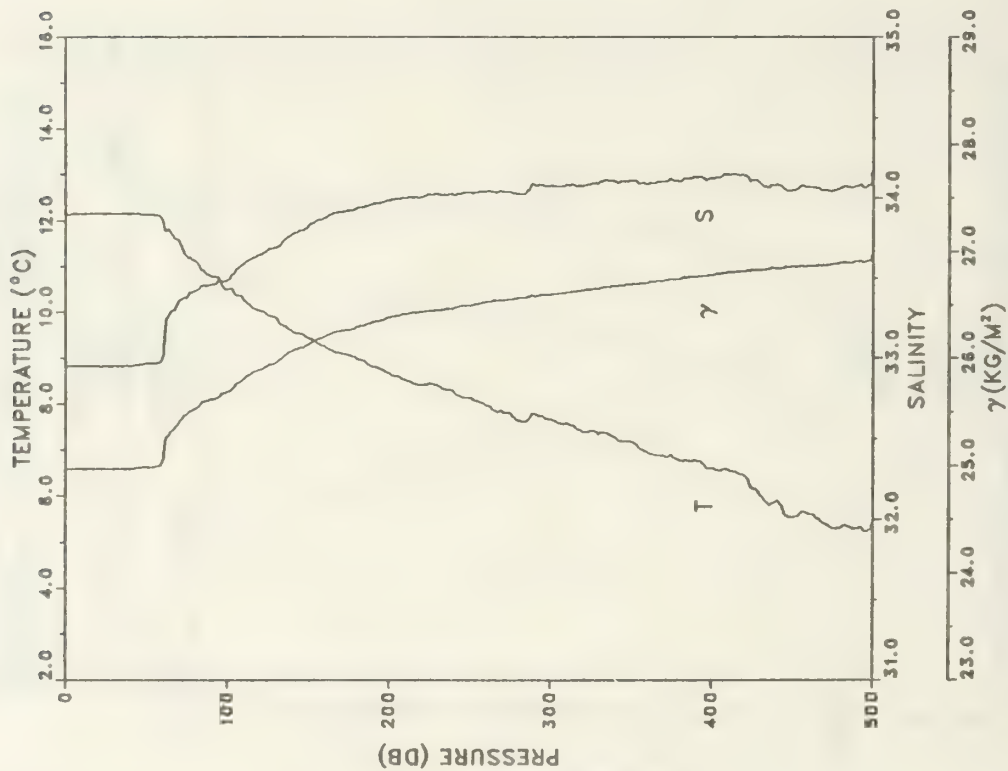
STATION: 22 LAT: 37 59.6 N LON: 124 50.2 W
 DATE: 3/19/87 TIME: 1148Z



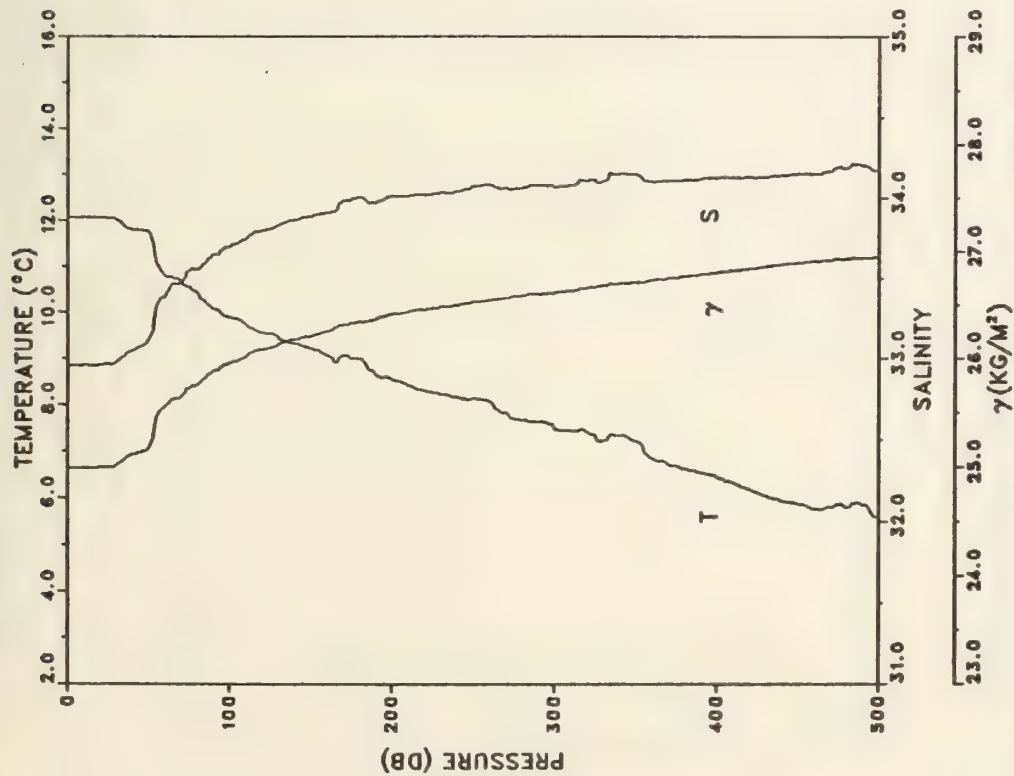
STATION: 23 LAT: 37 52.2 N LON: 124 45.7 W
DATE: 3/19/87 TIME: 1311Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.196	32.941	24.954	299.2	0.000
5	12.196	32.941	24.954	299.3	0.012
10	12.201	32.940	24.952	299.6	0.027
15	12.199	32.941	24.953	299.6	0.042
21	12.198	32.939	24.952	299.8	0.060
25	12.199	32.940	24.953	299.9	0.072
30	12.198	32.939	24.952	300.0	0.087
36	12.201	32.939	24.951	300.2	0.105
40	12.200	32.939	24.952	300.3	0.117
45	12.200	32.945	24.956	300.0	0.132
51	12.198	32.952	24.962	299.5	0.150
61	12.031	33.076	25.090	287.6	0.179
70	11.699	33.182	25.234	274.1	0.205
80	11.413	33.215	25.312	266.8	0.232
90	11.109	33.293	25.427	256.0	0.258
100	10.877	33.472	25.608	239.0	0.282
126	10.296	33.650	25.848	216.7	0.342
151	9.841	33.778	26.025	200.3	0.394
176	9.335	33.842	26.158	188.0	0.442
200	8.990	33.932	26.284	176.4	0.486
225	8.580	33.987	26.391	166.5	0.529
251	8.299	34.036	26.472	159.2	0.571
275	7.953	34.047	26.533	153.7	0.609
301	7.653	34.057	26.584	149.0	0.648
325	7.408	34.074	26.633	144.7	0.683
351	7.103	34.098	26.694	139.0	0.720
375	6.971	34.124	26.733	135.7	0.753
400	6.822	34.135	26.762	133.2	0.787
425	6.467	34.113	26.792	130.4	0.820
450	5.890	34.071	26.832	126.3	0.852
476	5.663	34.088	26.874	122.5	0.884
500	5.343	34.073	26.901	119.9	0.913

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.140	32.949	24.971	297.6	0.000
6	12.148	32.947	24.968	298.0	0.015
10	12.152	32.947	24.967	298.2	0.027
16	12.152	32.948	24.968	298.2	0.045
20	12.151	32.947	24.967	298.4	0.057
25	12.150	32.947	24.967	298.5	0.072
30	12.155	32.948	24.967	298.6	0.086
36	12.153	32.948	24.967	298.7	0.104
40	12.153	32.948	24.967	298.8	0.116
46	12.132	32.960	24.981	297.6	0.134
51	12.124	32.963	24.985	297.4	0.149
60	12.026	32.989	25.023	293.9	0.176
71	11.542	33.363	25.403	258.0	0.206
80	11.114	33.418	25.524	246.7	0.229
91	10.783	33.459	25.614	238.2	0.255
101	10.509	33.492	25.688	231.4	0.279
125	9.943	33.673	25.926	209.2	0.332
151	9.431	33.826	26.130	190.2	0.384
176	9.048	33.919	26.264	177.8	0.430
201	8.643	33.985	26.380	167.2	0.473
226	8.427	34.020	26.440	161.8	0.514
250	8.140	34.030	26.491	157.3	0.552
276	7.798	34.034	26.545	152.4	0.593
300	7.675	34.075	26.595	148.0	0.629
325	7.409	34.085	26.641	143.9	0.665
350	7.182	34.107	26.690	139.5	0.700
376	6.874	34.112	26.737	135.2	0.736
400	6.609	34.122	26.780	131.2	0.768
426	6.167	34.109	26.828	126.7	0.802
450	5.548	34.046	26.855	123.9	0.832
476	5.296	34.047	26.885	121.0	0.864
500	5.382	34.155	26.961	114.3	0.892



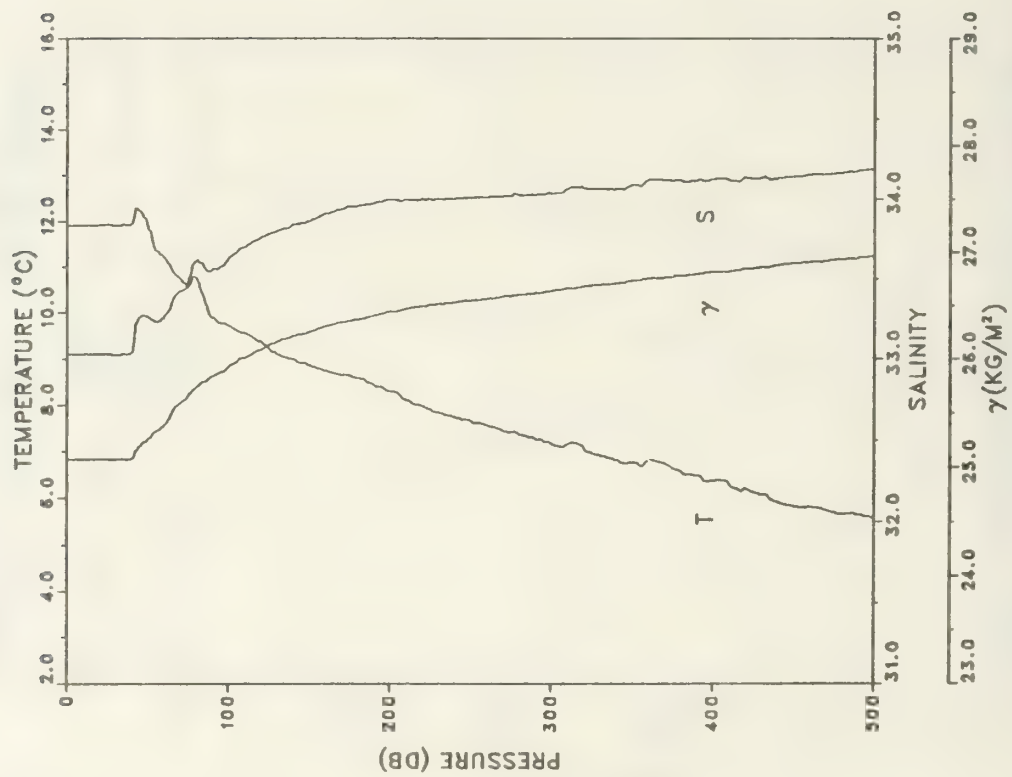
STATION: 24 LAT: 37 45.5 N LON: 124 41.0 W
DATE: 3/19/87 TIME: 1436Z



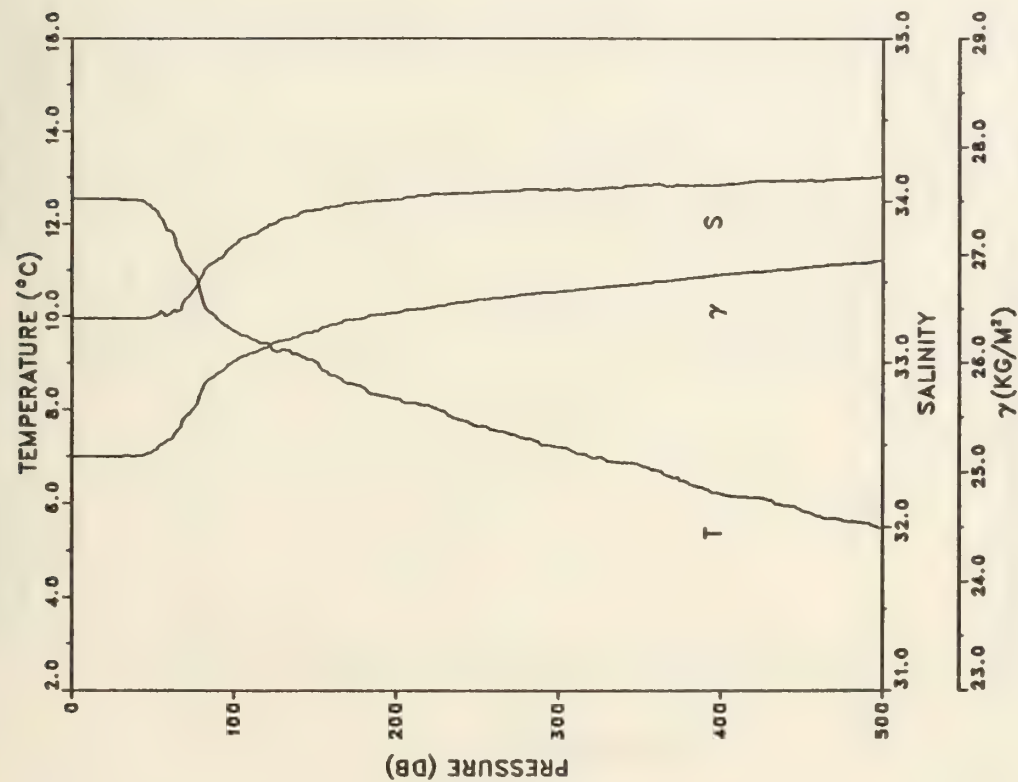
STATION: 25 LAT: 37 37.3 N LON: 124 37.5 W
 DATE: 3/19/87 TIME: 1606Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.058	32.955	24.991	295.7	0.000
5	12.058	32.955	24.991	295.8	0.012
10	12.058	32.957	24.992	295.7	0.027
15	12.061	32.956	24.991	296.0	0.041
21	12.059	32.959	24.994	295.8	0.059
26	12.056	32.962	24.997	295.7	0.074
30	12.021	32.975	25.013	294.2	0.086
36	11.838	33.019	25.082	287.8	0.103
41	11.787	33.046	25.112	285.0	0.118
46	11.786	33.076	25.135	282.9	0.132
50	11.757	33.109	25.166	280.0	0.143
61	10.780	33.389	25.560	242.7	0.172
70	10.699	33.471	25.639	235.5	0.193
80	10.430	33.557	25.752	224.8	0.216
90	10.077	33.643	25.880	212.9	0.238
101	9.882	33.701	25.958	205.7	0.261
125	9.537	33.803	26.095	193.1	0.309
151	9.208	33.883	26.211	182.5	0.358
176	8.999	33.992	26.329	171.7	0.402
200	8.546	34.007	26.412	164.1	0.442
225	8.263	34.021	26.466	159.3	0.483
251	8.144	34.072	26.524	154.2	0.524
276	7.697	34.055	26.576	149.4	0.562
300	7.503	34.061	26.609	146.6	0.597
325	7.351	34.110	26.669	141.2	0.633
350	7.223	34.143	26.713	137.4	0.668
375	6.692	34.107	26.757	133.1	0.702
401	6.428	34.124	26.806	128.7	0.736
425	6.120	34.128	26.849	124.7	0.766
450	5.876	34.149	26.896	120.3	0.797
476	5.875	34.195	26.932	117.2	0.828
500	5.592	34.172	26.949	115.6	0.856

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.916	33.025	25.072	288.0	0.000
5	11.916	33.025	25.072	288.1	0.012
10	11.917	33.027	25.073	288.0	0.026
15	11.915	33.026	25.073	288.2	0.040
21	11.918	33.027	25.073	288.3	0.058
26	11.918	33.027	25.073	288.4	0.072
31	11.915	33.024	25.071	288.7	0.086
36	11.920	33.027	25.072	288.7	0.101
40	11.937	33.039	25.079	288.2	0.112
45	12.232	33.253	25.189	277.8	0.127
50	11.908	33.257	25.253	271.8	0.140
61	11.192	33.273	25.397	258.3	0.169
70	10.755	33.419	25.588	240.3	0.192
80	10.768	33.609	25.734	226.6	0.215
91	9.900	33.561	25.846	216.1	0.240
100	9.715	33.621	25.923	208.9	0.259
126	9.173	33.783	26.138	188.9	0.310
151	8.845	33.863	26.253	178.4	0.356
175	8.633	33.948	26.352	169.4	0.398
200	8.294	33.992	26.438	161.5	0.439
226	7.884	33.995	26.502	155.7	0.481
250	7.651	34.005	26.544	152.1	0.518
275	7.419	34.018	26.587	148.2	0.555
301	7.157	34.033	26.636	143.9	0.593
325	6.976	34.061	26.683	139.7	0.627
350	6.767	34.085	26.730	135.4	0.662
376	6.623	34.111	26.770	131.9	0.696
400	6.372	34.121	26.811	128.2	0.728
425	6.128	34.126	26.846	124.9	0.759
450	5.827	34.137	26.892	120.6	0.790
476	5.675	34.158	26.928	117.4	0.821
500	5.567	34.177	26.956	114.9	0.849



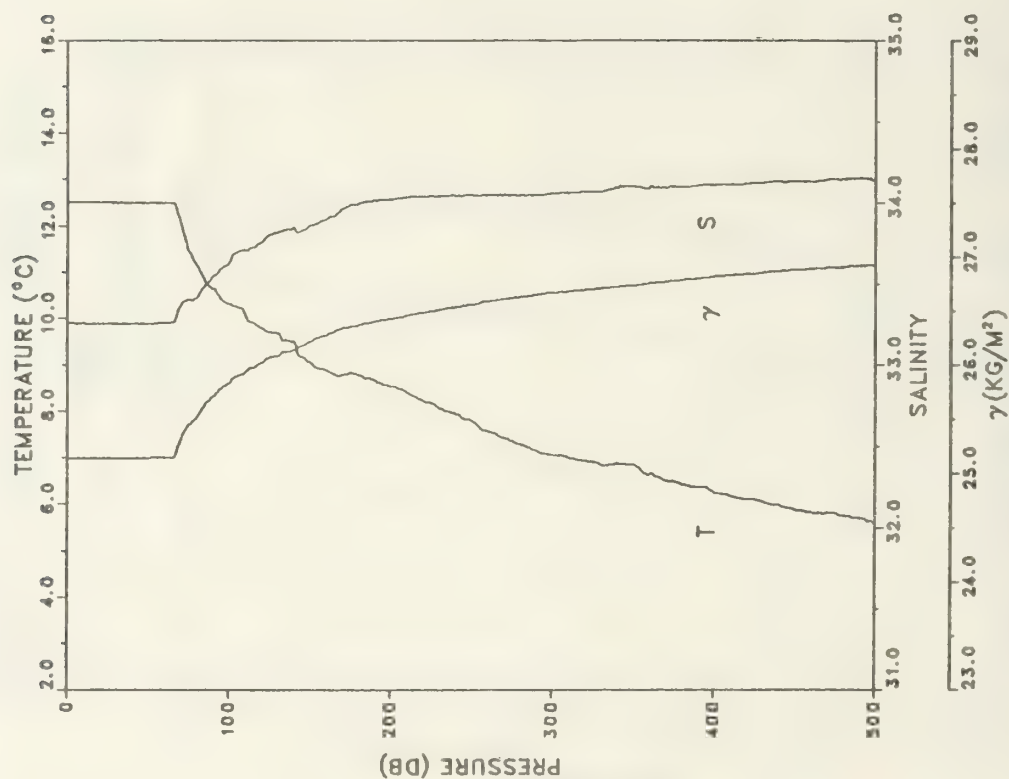
STATION: 26 LAT: 37 30.7 N LON: 124 31.8 W
 DATE: 3/19/87 TIME: 1730Z



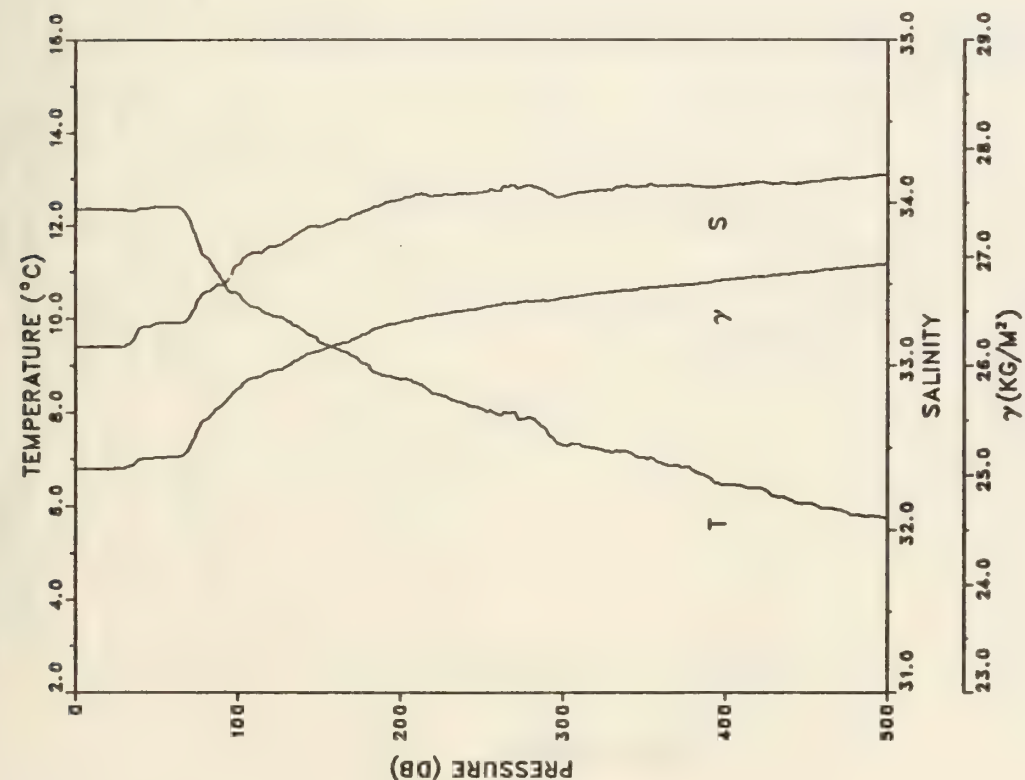
STATION: 27 LAT: 37 23.0 N LON: 124 28.1 W
DATE: 3/19/87 TIME: 1900Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.543	33.272	25.144	281.1	0.000
5	12.543	33.272	25.144	281.2	0.011
11	12.544	33.274	25.146	281.2	0.028
15	12.544	33.273	25.145	281.3	0.039
21	12.540	33.273	25.146	281.4	0.056
26	12.537	33.273	25.146	281.5	0.070
30	12.535	33.274	25.147	281.5	0.082
35	12.532	33.274	25.148	281.5	0.096
41	12.508	33.275	25.153	281.1	0.113
45	12.489	33.273	25.155	281.0	0.124
51	12.317	33.287	25.199	277.0	0.141
60	11.851	33.299	25.297	267.9	0.165
71	11.084	33.402	25.517	247.1	0.193
80	10.454	33.527	25.725	227.5	0.215
90	9.944	33.637	25.897	211.2	0.237
100	9.677	33.730	26.015	200.2	0.257
125	9.245	33.860	26.187	184.3	0.305
151	9.013	33.944	26.289	175.0	0.352
176	8.521	33.986	26.399	164.9	0.394
201	8.219	34.009	26.463	159.1	0.435
225	8.010	34.040	26.519	154.2	0.473
250	7.641	34.053	26.583	148.4	0.510
276	7.413	34.062	26.622	144.9	0.549
301	7.201	34.068	26.657	141.9	0.584
326	6.978	34.077	26.695	138.5	0.619
350	6.810	34.096	26.733	135.2	0.652
375	6.492	34.098	26.777	131.1	0.686
401	6.199	34.102	26.818	127.3	0.719
426	6.118	34.124	26.846	125.0	0.751
451	5.832	34.126	26.883	121.5	0.781
475	5.652	34.135	26.912	118.8	0.810
500	5.482	34.152	26.946	115.7	0.840

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.513	33.257	25.138	281.6	0.000
5	12.514	33.255	25.137	281.9	0.011
11	12.515	33.255	25.137	282.0	0.028
16	12.515	33.255	25.137	282.2	0.042
20	12.515	33.255	25.137	282.3	0.054
26	12.517	33.254	25.135	282.5	0.071
30	12.502	33.253	25.137	282.4	0.082
36	12.500	33.254	25.139	282.4	0.099
41	12.495	33.253	25.139	282.5	0.113
45	12.494	33.254	25.140	282.5	0.124
51	12.494	33.254	25.140	282.7	0.141
60	12.494	33.257	25.142	282.7	0.167
71	12.040	33.366	25.313	266.6	0.197
81	11.114	33.422	25.527	246.4	0.222
91	10.642	33.552	25.712	229.0	0.246
100	10.307	33.626	25.827	218.1	0.266
125	9.707	33.802	26.066	195.9	0.318
151	9.030	33.859	26.220	181.5	0.367
176	8.814	33.986	26.354	169.3	0.411
200	8.530	34.020	26.424	162.9	0.451
225	8.175	34.040	26.494	156.6	0.491
250	7.792	34.047	26.556	151.0	0.529
276	7.348	34.045	26.618	145.2	0.568
301	7.059	34.056	26.667	140.8	0.604
325	6.909	34.068	26.697	138.2	0.637
350	6.845	34.099	26.730	135.4	0.671
375	6.491	34.099	26.778	131.0	0.705
401	6.236	34.108	26.818	127.4	0.738
425	6.104	34.120	26.844	125.1	0.768
451	5.877	34.130	26.881	121.8	0.800
476	5.809	34.146	26.902	120.0	0.831
500	5.573	34.138	26.924	117.9	0.859



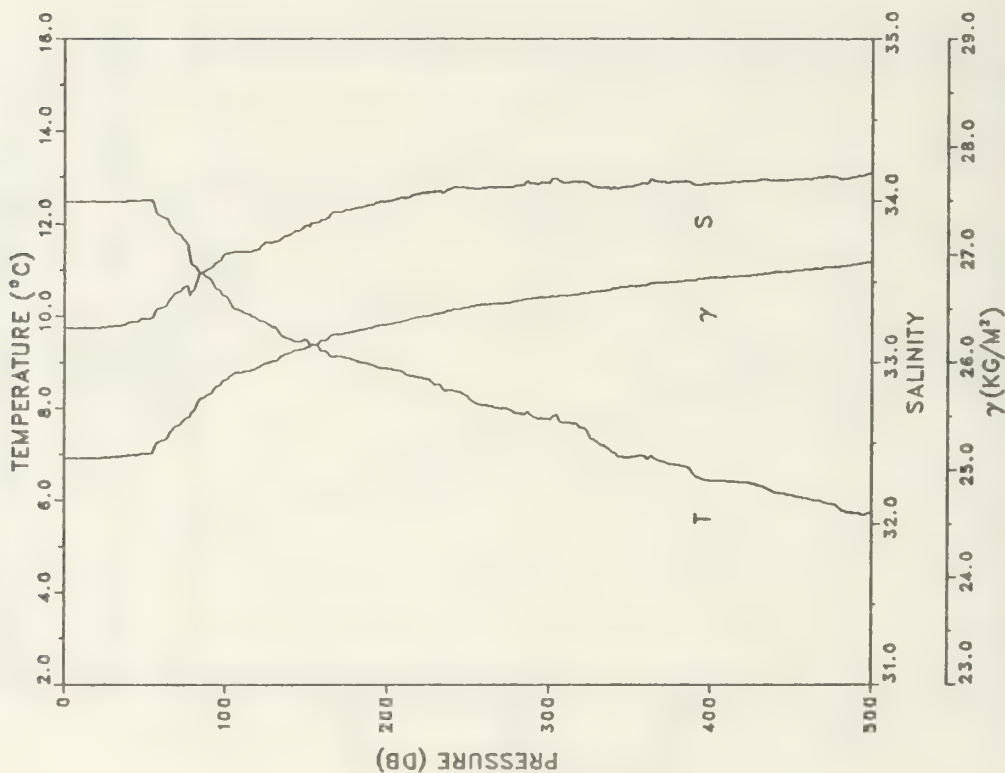
STATION: 28 LAT: 37 26.7 N LON: 124 20.0 W
DATE: 3/19/87 TIME: 2023Z



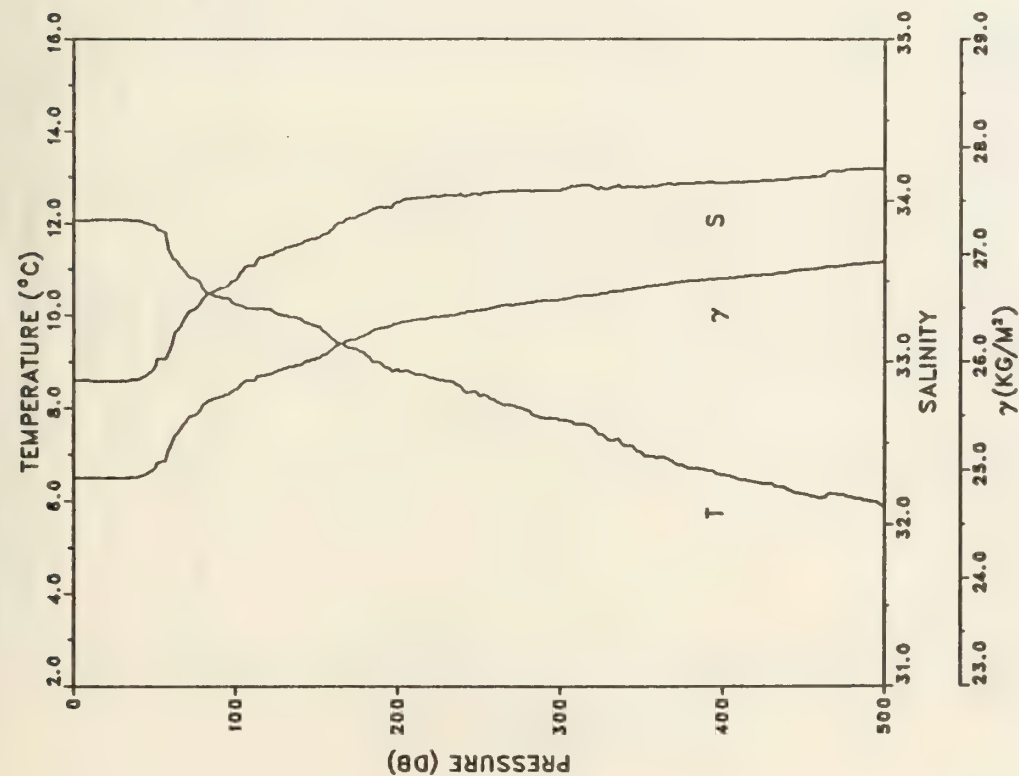
STATION: 29 LAT: 37 31.0 N LON: 124 10.2 W
 DATE: 3/19/87 TIME: 2148Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.353	33.115	25.059	289.2	0.000
5	12.353	33.115	25.059	289.3	0.012
10	12.362	33.116	25.058	289.5	0.026
16	12.361	33.116	25.058	289.6	0.043
20	12.362	33.116	25.058	289.7	0.055
26	12.344	33.117	25.062	289.4	0.072
31	12.333	33.123	25.069	288.9	0.087
36	12.321	33.154	25.095	286.5	0.101
40	12.374	33.228	25.143	282.1	0.113
45	12.381	33.237	25.148	281.7	0.127
51	12.410	33.260	25.161	280.7	0.144
60	12.407	33.264	25.164	280.5	0.169
71	12.109	33.298	25.247	272.9	0.199
81	11.316	33.454	25.515	247.5	0.225
91	10.824	33.494	25.635	236.3	0.249
100	10.531	33.618	25.782	222.4	0.270
126	10.038	33.736	25.959	206.1	0.326
151	9.487	33.849	26.139	189.4	0.375
176	9.062	33.940	26.279	176.5	0.421
201	8.697	34.021	26.399	165.4	0.464
226	8.348	34.045	26.472	158.8	0.504
250	8.063	34.062	26.528	153.8	0.542
276	7.861	34.100	26.588	148.4	0.581
300	7.291	34.036	26.519	145.5	0.616
325	7.194	34.076	26.664	141.5	0.652
351	7.024	34.100	26.707	137.8	0.688
375	6.833	34.107	26.738	135.0	0.721
401	6.450	34.103	26.786	130.6	0.756
426	6.317	34.119	26.816	127.9	0.788
450	6.063	34.123	26.852	124.6	0.818
476	5.849	34.146	26.897	120.5	0.850
500	5.742	34.170	26.929	117.7	0.879

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.481	33.212	25.110	284.4	0.000
5	12.481	33.212	25.110	284.4	0.011
10	12.481	33.212	25.110	284.6	0.026
15	12.483	33.213	25.110	284.6	0.040
21	12.484	33.212	25.109	284.9	0.057
26	12.477	33.221	25.117	284.2	0.071
31	12.479	33.228	25.123	283.8	0.085
35	12.479	33.229	25.123	283.9	0.097
40	12.489	33.249	25.137	282.7	0.111
45	12.495	33.254	25.140	282.5	0.125
51	12.509	33.273	25.152	281.5	0.142
61	12.142	33.342	25.275	270.0	0.169
71	11.777	33.438	25.418	256.6	0.196
80	11.104	33.449	25.550	244.2	0.218
91	10.815	33.579	25.702	229.9	0.244
101	10.422	33.673	25.844	216.6	0.267
126	9.837	33.744	25.999	202.3	0.319
151	9.458	33.847	26.142	189.1	0.368
176	9.090	33.946	26.279	176.5	0.414
200	8.863	33.996	26.354	169.7	0.455
225	8.628	34.048	26.431	162.7	0.497
250	8.237	34.077	26.514	155.2	0.537
276	7.970	34.083	26.558	151.3	0.576
300	7.767	34.107	26.607	146.9	0.612
325	7.392	34.098	26.654	142.7	0.648
350	6.942	34.088	26.708	137.6	0.683
375	6.804	34.115	26.749	134.0	0.717
401	6.440	34.104	26.788	130.3	0.752
426	6.366	34.122	26.812	128.4	0.784
450	6.127	34.127	26.847	125.2	0.815
476	5.923	34.148	26.889	121.3	0.847
500	5.740	34.169	26.929	117.7	0.875



STATION: 30 LAT: 37 34.6 N LON: 124 2.1 W
DATE: 3/19/87 TIME: 2306Z



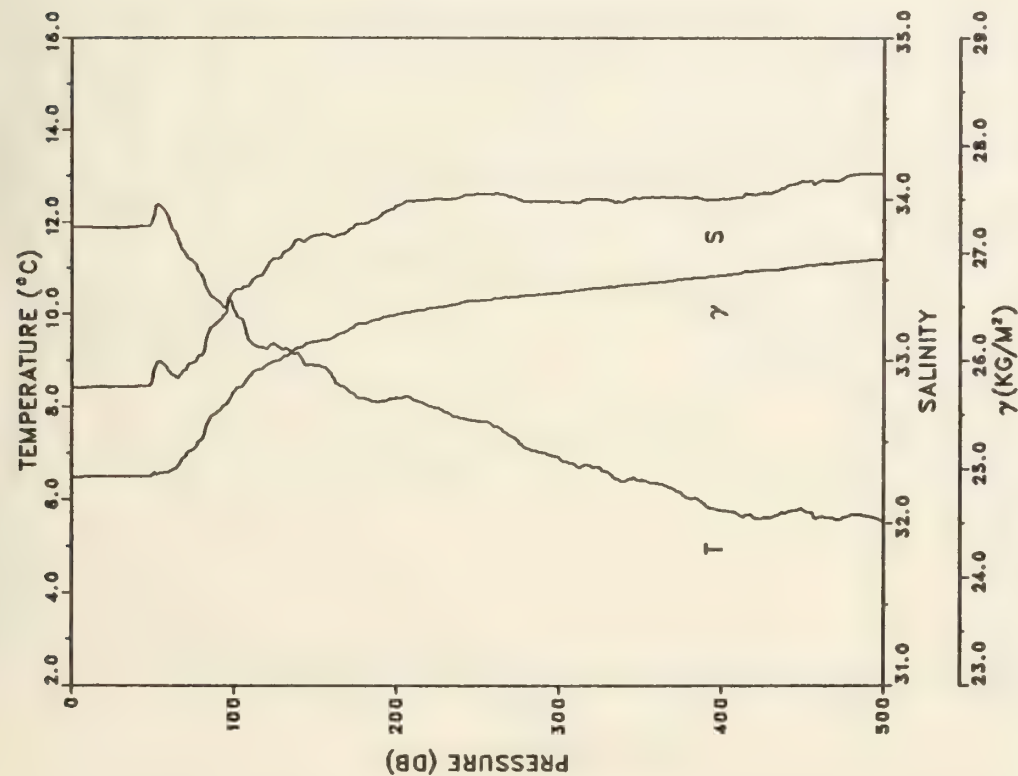
STATION: 32 LAT: 37 45.2 N LON: 123 36.5 W
 DATE: 3/20/87 TIME: 0430Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.072	32.883	24.932	301.2	0.000
5	12.072	32.883	24.932	301.3	0.012
10	12.072	32.883	24.932	301.4	0.027
16	12.077	32.882	24.931	301.7	0.045
20	12.075	32.882	24.931	301.8	0.057
26	12.075	32.882	24.931	301.9	0.075
31	12.077	32.882	24.931	302.1	0.090
35	12.071	32.887	24.936	301.7	0.103
40	12.060	32.892	24.942	301.2	0.118
45	12.015	32.913	24.966	299.0	0.133
51	11.925	32.979	25.034	292.6	0.150
60	11.365	33.077	25.213	275.8	0.176
71	10.871	33.296	25.472	251.3	0.205
81	10.550	33.402	25.611	238.3	0.229
91	10.405	33.457	25.679	232.1	0.253
100	10.252	33.507	25.744	226.0	0.274
126	10.042	33.684	25.918	210.0	0.330
150	9.762	33.769	26.031	199.7	0.379
176	9.243	33.904	26.221	182.0	0.429
200	8.833	33.991	26.355	169.6	0.471
225	8.609	34.024	26.415	164.2	0.513
251	8.256	34.030	26.474	159.0	0.555
276	8.004	34.064	26.538	153.2	0.594
301	7.738	34.069	26.581	149.4	0.632
326	7.423	34.078	26.634	144.6	0.669
351	7.027	34.082	26.692	139.2	0.704
375	6.773	34.108	26.747	134.1	0.737
400	6.573	34.111	26.76	131.6	0.770
425	6.389	34.124	26.811	128.5	0.803
450	6.156	34.144	26.857	124.3	0.834
475	6.137	34.187	26.893	121.2	0.865
500	5.866	34.200	26.937	117.0	0.895



STATION: 35 LAT: 38 5.0 N LON: 123 48.2 W
DATE: 3/20/87 TIME: 1500Z

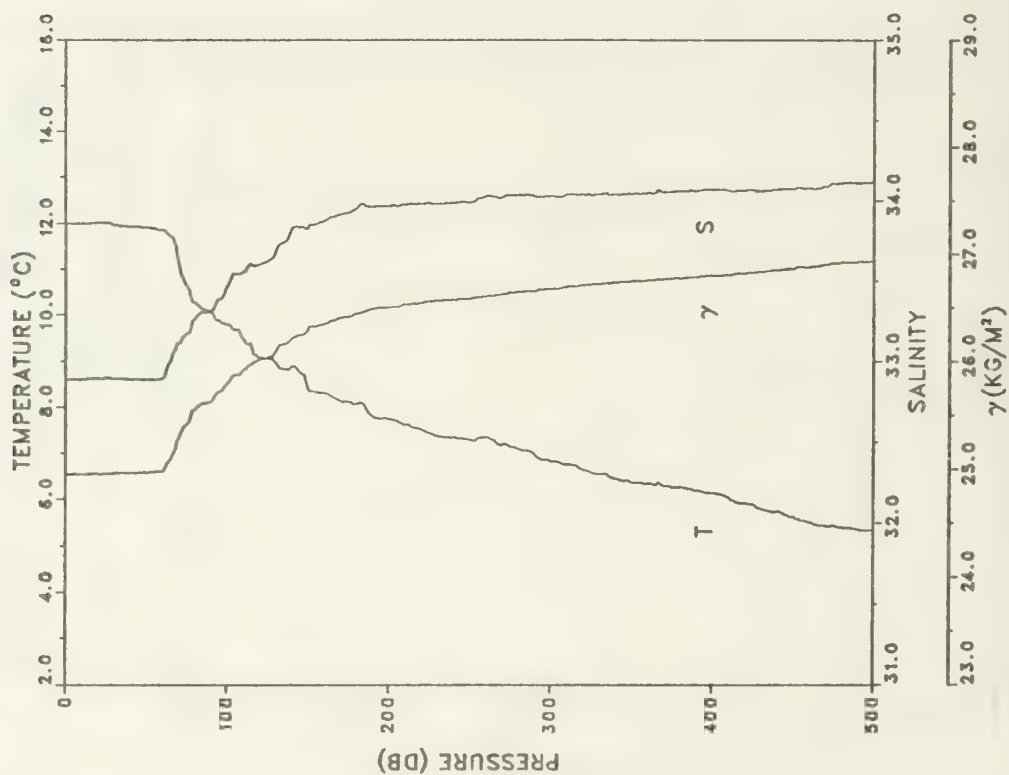
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.867	32.822	24.923	302.1	0.000
6	11.866	32.824	24.925	302.1	0.015
10	11.862	32.824	24.926	302.1	0.027
15	11.875	32.825	24.924	302.3	0.042
21	11.873	32.824	24.924	302.5	0.060
26	11.872	32.824	24.924	302.6	0.076
31	11.876	32.823	24.922	302.9	0.091
36	11.875	32.823	24.922	302.9	0.106
41	11.877	32.824	24.923	303.0	0.121
46	11.881	32.823	24.921	303.3	0.136
51	11.881	32.823	24.921	303.4	0.151
60	11.880	32.823	24.922	303.6	0.179
70	11.047	32.800	25.055	291.0	0.208
81	10.965	33.103	25.305	267.4	0.239
91	10.558	33.210	25.460	252.9	0.265
101	10.081	33.308	25.618	238.0	0.290
125	9.408	33.544	25.913	210.3	0.343
151	8.680	33.728	26.172	186.0	0.395
176	8.774	33.911	26.301	174.2	0.440
200	8.381	33.965	26.404	164.8	0.481
225	8.120	34.011	26.480	158.0	0.521
251	7.826	34.020	26.530	153.5	0.561
275	7.498	34.039	26.592	147.8	0.598
301	7.162	34.044	26.644	143.1	0.635
326	6.922	34.047	26.679	140.0	0.671
351	6.520	34.016	26.708	137.3	0.705
375	6.220	34.010	26.743	134.1	0.738
401	5.870	34.001	26.780	130.6	0.772
425	5.812	34.053	26.828	126.3	0.803
450	5.565	34.063	26.866	122.8	0.834
476	5.383	34.085	26.905	119.2	0.866
500	5.106	34.089	26.941	115.8	0.894



STATION: 36 LAT: 38 24.6 N LON: 123 58.5 W
DATE: 3/20/87 TIME: 1748Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.892	32.833	24.927	301.7	0.000
5	11.893	32.833	24.927	301.8	0.012
10	11.887	32.834	24.929	301.8	0.027
16	11.879	32.835	24.931	301.7	0.045
21	11.880	32.834	24.930	301.9	0.060
26	11.883	32.836	24.931	301.9	0.075
30	11.880	32.835	24.931	302.0	0.088
35	11.886	32.836	24.931	302.2	0.103
41	11.904	32.842	24.932	302.2	0.121
46	11.905	32.843	24.932	302.2	0.136
51	12.150	32.946	24.966	299.1	0.151
61	11.967	32.924	24.984	297.7	0.181
71	11.299	32.941	25.119	284.9	0.210
81	10.786	33.037	25.285	269.3	0.238
91	10.271	33.242	25.534	245.8	0.263
101	10.038	33.439	25.727	227.8	0.287
126	9.336	33.632	25.994	202.6	0.341
151	8.895	33.776	26.177	185.6	0.389
176	8.211	33.844	26.335	170.9	0.434
201	8.192	33.958	26.427	162.5	0.476
225	7.977	34.003	26.494	156.5	0.514
251	7.696	34.033	26.559	150.6	0.554
275	7.257	33.999	26.595	147.4	0.590
300	6.911	33.986	26.632	144.0	0.626
325	6.687	34.004	26.677	140.0	0.661
350	6.423	34.009	26.716	136.5	0.696
376	6.141	34.013	26.755	132.9	0.731
401	5.773	34.003	26.793	129.3	0.764
425	5.612	34.038	26.841	125.0	0.794
451	5.768	34.112	26.880	121.7	0.826
475	5.625	34.133	26.914	118.8	0.855
500	5.533	34.157	26.944	116.0	0.885

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.995	32.886	24.949	299.7	0.000
5	11.995	32.886	24.949	299.7	0.012
10	12.001	32.886	24.948	300.0	0.027
15	12.004	32.888	24.949	300.0	0.042
20	12.006	32.889	24.949	300.0	0.057
26	12.010	32.895	24.953	299.8	0.075
30	11.960	32.890	24.959	299.4	0.087
35	11.946	32.888	24.960	299.4	0.102
40	11.927	32.886	24.962	299.3	0.117
45	11.920	32.885	24.962	299.4	0.132
50	11.908	32.884	24.964	299.3	0.147
61	11.846	32.893	24.982	297.8	0.180
71	11.103	33.111	25.287	269.0	0.208
81	10.265	33.266	25.554	243.7	0.234
91	10.050	33.315	25.628	236.8	0.258
101	9.778	33.474	25.798	220.8	0.281
125	9.062	33.622	26.030	199.1	0.331
150	8.410	33.820	26.286	175.1	0.378
175	8.119	33.924	26.411	163.6	0.420
200	7.741	33.965	26.499	155.5	0.460
226	7.428	33.981	26.557	150.3	0.500
250	7.289	33.988	26.582	148.3	0.536
275	7.157	34.032	26.635	143.6	0.572
300	6.839	34.026	26.674	140.1	0.607
326	6.579	34.034	26.715	136.4	0.643
350	6.376	34.038	26.745	133.7	0.676
375	6.273	34.054	26.770	131.5	0.709
401	6.141	34.068	26.798	129.1	0.743
425	5.897	34.065	26.827	126.5	0.774
450	5.623	34.074	26.868	122.7	0.805
475	5.440	34.107	26.916	118.3	0.835
500	5.344	34.114	26.933	116.8	0.864



STATION: 39 LAT: 38 45.0 N LON: 124 14.0 W
DATE: 3/21/87 TIME: 0136Z



STATION: 40 LAT: 39 4.0 N LON: 124 25.9 W
 DATE: 3/21/87 TIME: 0418Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.934	32.883	24.958	298.8	0.000
5	11.934	32.883	24.958	298.9	0.012
10	11.940	32.883	24.957	299.1	0.027
15	11.940	32.883	24.957	299.2	0.042
21	11.938	32.882	24.957	299.4	0.060
26	11.941	32.883	24.957	299.5	0.075
31	11.940	32.882	24.956	299.6	0.090
36	11.949	32.885	24.957	299.7	0.105
41	11.951	32.886	24.957	299.7	0.120
45	11.958	32.890	24.959	299.7	0.132
51	11.965	32.890	24.958	299.9	0.150
60	11.973	32.896	24.961	299.8	0.177
71	11.253	33.071	25.229	274.5	0.208
81	10.634	33.194	25.434	255.1	0.235
91	9.755	33.372	25.722	227.8	0.259
101	9.654	33.408	25.767	223.8	0.281
125	8.918	33.773	26.171	185.7	0.331
150	8.616	33.894	26.312	172.7	0.375
176	8.463	33.997	26.417	163.2	0.419
201	8.304	34.028	26.465	159.0	0.459
225	7.967	34.051	26.534	152.8	0.497
251	7.790	34.064	26.570	149.7	0.536
276	7.541	34.068	26.609	146.2	0.573
301	7.305	34.075	26.648	142.8	0.609
325	7.132	34.092	26.685	139.5	0.643
350	6.982	34.101	26.713	137.1	0.678
376	6.795	34.115	26.750	133.9	0.713
401	6.617	34.125	26.781	131.1	0.746
426	6.537	34.133	26.798	129.8	0.779
450	6.358	34.145	26.831	126.9	0.809
475	6.173	34.163	26.869	123.4	0.841
500	6.040	34.194	26.911	119.7	0.871

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.929	32.887	24.962	298.4	0.000
6	11.936	32.887	24.961	298.6	0.015
11	11.943	32.893	24.964	298.4	0.030
15	11.948	32.890	24.961	298.8	0.042
20	11.958	32.892	24.961	299.0	0.057
26	11.967	32.896	24.962	299.0	0.075
31	11.969	32.894	24.960	299.3	0.090
36	11.969	32.896	24.962	299.2	0.105
41	11.969	32.895	24.961	299.4	0.120
45	11.970	32.895	24.961	299.5	0.132
50	11.970	32.895	24.961	299.6	0.147
60	11.971	32.898	24.963	299.6	0.176
71	11.929	32.899	24.971	299.1	0.209
81	11.573	33.104	25.196	277.8	0.238
91	10.328	33.224	25.510	248.0	0.265
101	9.716	33.355	25.715	228.7	0.288
126	8.987	33.562	25.995	202.5	0.342
150	8.900	33.802	26.196	183.8	0.389
176	8.569	33.911	26.333	171.2	0.435
200	8.226	33.967	26.429	162.3	0.475
225	7.941	33.988	26.488	157.1	0.515
251	7.541	34.016	26.568	149.7	0.555
276	7.244	34.034	26.624	144.6	0.591
301	6.895	34.027	26.667	140.8	0.627
325	6.714	34.034	26.697	138.1	0.661
350	6.479	34.037	26.730	135.2	0.695
376	6.278	34.057	26.772	131.4	0.729
400	6.125	34.073	26.804	128.5	0.761
426	5.918	34.088	26.842	125.1	0.793
450	5.686	34.096	26.877	121.9	0.823
476	5.440	34.106	26.915	118.4	0.854
500	5.402	34.137	26.944	115.9	0.882



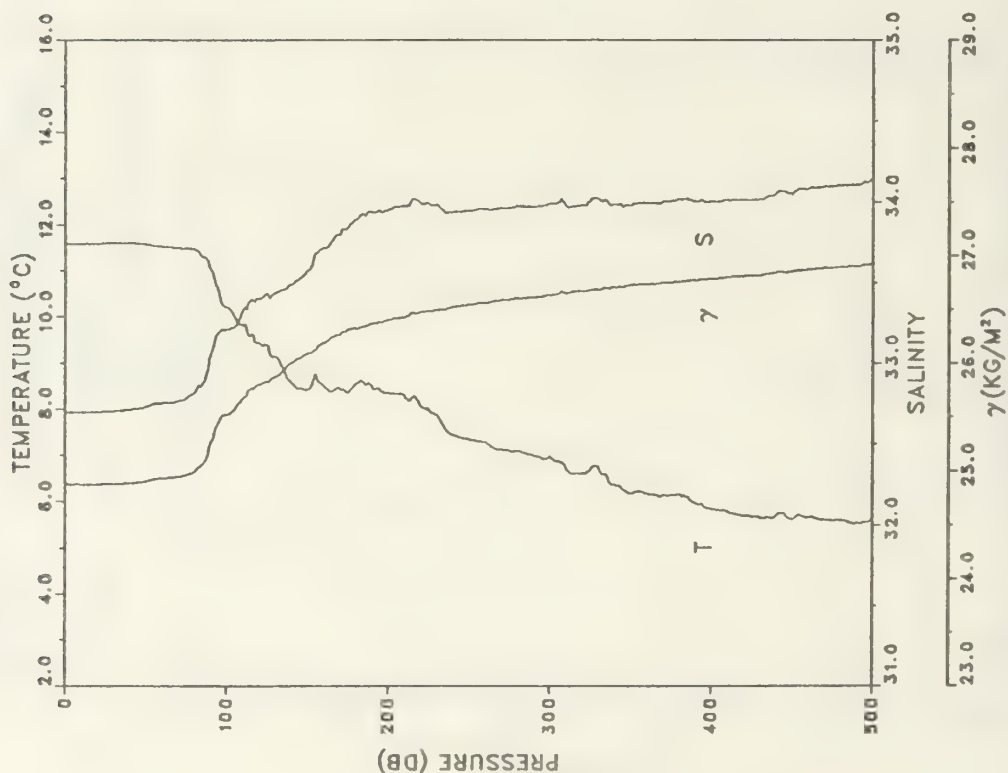
STATION: 41 LAT: 38 56.9 N LON: 124 45.1 W
DATE: 3/21/87 TIME: 0641Z



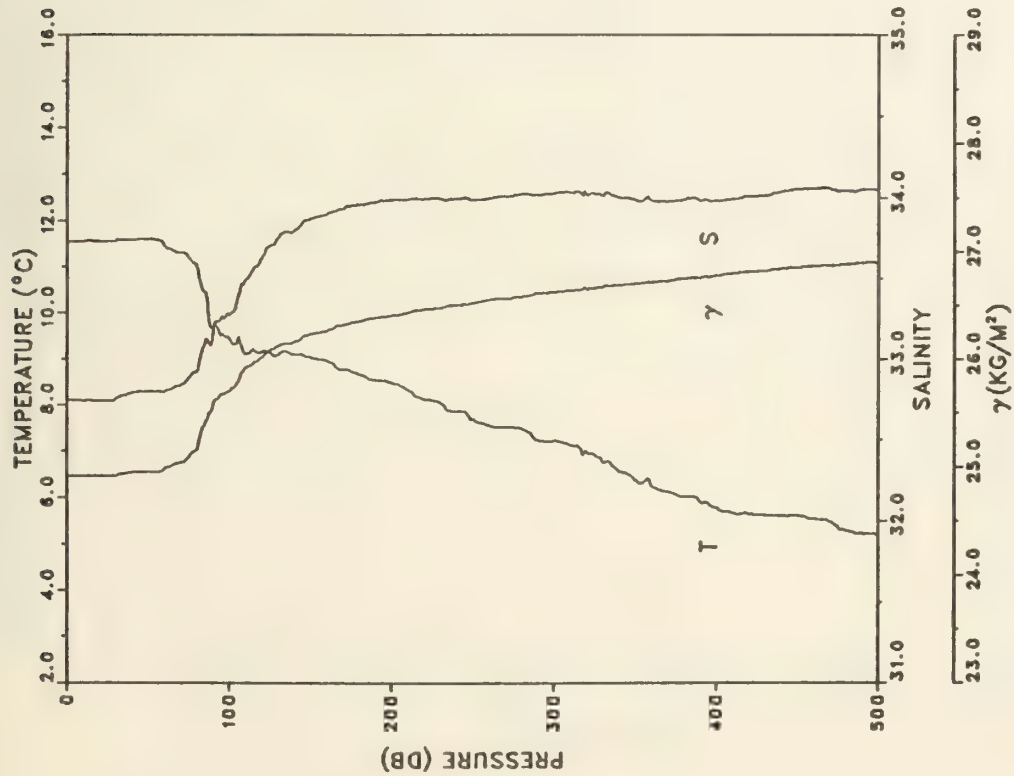
STATION: 42 LAT: 39 4.0 N LON: 124 49.4 W
DATE: 3/21/87 TIME: 0800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.965	32.884	24.953	299.3	0.000
5	11.968	32.884	24.953	299.4	0.012
10	11.965	32.883	24.952	299.5	0.027
15	11.968	32.883	24.952	299.7	0.042
20	11.969	32.881	24.950	300.0	0.057
26	11.971	32.882	24.950	300.1	0.075
30	11.971	32.881	24.950	300.2	0.087
36	11.977	32.882	24.949	300.4	0.105
40	11.979	32.883	24.950	300.4	0.117
46	11.984	32.884	24.950	300.6	0.135
50	11.985	32.884	24.949	300.7	0.147
60	11.938	32.914	24.981	297.9	0.177
70	11.848	32.946	25.023	294.1	0.207
80	11.567	32.970	25.093	287.6	0.236
90	10.302	33.091	25.411	257.4	0.263
100	9.843	33.266	25.625	237.3	0.288
126	9.170	33.592	25.989	203.0	0.345
150	9.000	33.808	26.185	184.8	0.391
175	8.627	33.903	26.318	172.6	0.436
200	8.027	33.959	26.453	160.0	0.478
226	7.765	33.981	26.508	155.1	0.519
250	7.471	34.004	26.569	149.6	0.555
276	7.362	34.033	26.607	146.3	0.594
300	7.042	34.020	26.641	143.3	0.628
325	6.631	33.993	26.675	140.1	0.664
350	6.307	34.004	26.727	135.4	0.698
376	6.021	34.021	26.777	130.8	0.733
401	5.880	34.039	26.808	127.9	0.765
425	5.697	34.074	26.859	123.3	0.795
450	5.588	34.101	26.893	120.3	0.826
475	5.498	34.118	26.916	118.3	0.856
500	5.347	34.115	26.933	116.8	0.885

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.584	32.695	24.877	306.5	0.000
5	11.585	32.693	24.875	306.8	0.012
10	11.586	32.693	24.875	306.9	0.028
16	11.590	32.694	24.875	307.0	0.046
20	11.589	32.693	24.874	307.2	0.058
26	11.598	32.701	24.879	306.9	0.077
31	11.600	32.703	24.880	306.9	0.092
35	11.600	32.705	24.881	306.8	0.104
40	11.599	32.709	24.885	306.6	0.120
46	11.591	32.716	24.892	306.1	0.138
50	11.573	32.728	24.904	305.0	0.150
60	11.523	32.750	24.930	302.7	0.181
70	11.495	32.762	24.945	301.5	0.211
80	11.471	32.810	24.987	297.7	0.241
91	11.010	33.064	25.267	271.3	0.272
101	10.200	33.210	25.521	247.2	0.298
126	9.356	33.418	25.823	218.8	0.356
151	8.433	33.576	26.091	193.6	0.408
175	8.359	33.841	26.310	173.2	0.452
201	8.333	33.954	26.403	164.9	0.496
226	7.938	33.979	26.481	157.7	0.536
251	7.336	33.946	26.542	152.1	0.575
275	7.084	33.958	26.587	148.1	0.611
300	6.963	33.989	26.628	144.5	0.647
325	6.680	34.001	26.675	140.1	0.683
351	6.174	33.978	26.723	135.6	0.719
375	6.141	34.007	26.750	133.3	0.751
401	5.843	34.002	26.784	130.2	0.785
426	5.684	34.015	26.814	127.6	0.818
450	5.621	34.049	26.848	124.5	0.848
475	5.597	34.097	26.889	121.0	0.879
500	5.616	34.142	26.922	118.1	0.908



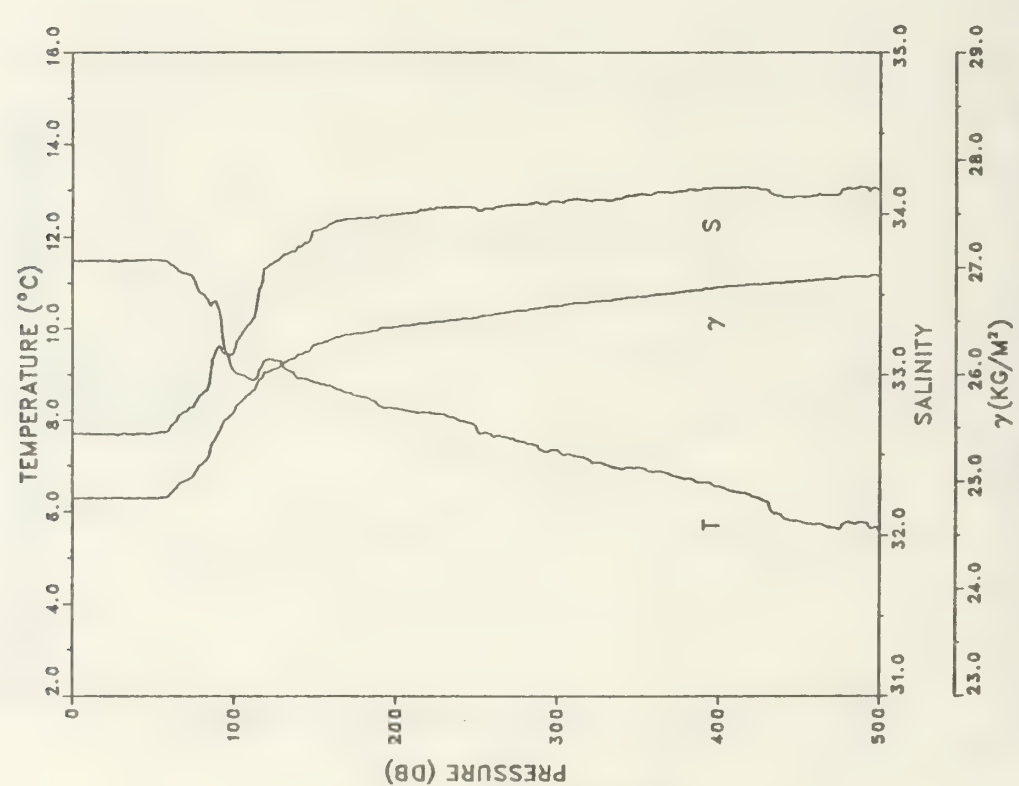
STATION: 43 LAT: 39 11.1 N LON: 124 54.5 W
DATE: 3/21/87 TIME: 0918Z



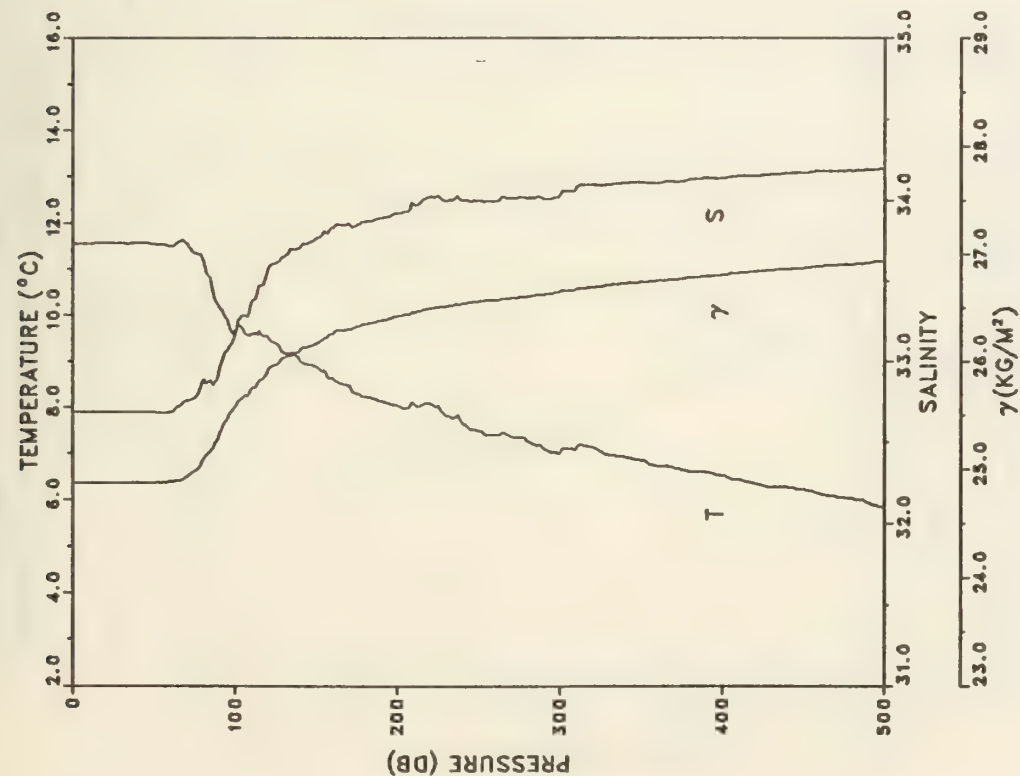
STATION: 44 LAT: 39 18.2 N LON: 124 59.4 W
DATE: 3/21/87 TIME: 1041Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.554	32.741	24.918	302.6	0.000
5	11.554	32.741	24.918	302.7	0.012
11	11.557	32.740	24.917	303.0	0.030
16	11.555	32.738	24.915	303.2	0.045
20	11.557	32.737	24.914	303.4	0.058
26	11.557	32.740	24.917	303.3	0.076
31	11.587	32.758	24.925	302.6	0.091
35	11.591	32.773	24.936	301.6	0.103
40	11.582	32.786	24.948	300.6	0.118
46	11.599	32.796	24.952	300.3	0.136
50	11.597	32.796	24.953	300.3	0.148
60	11.474	32.792	24.972	298.7	0.178
71	11.304	32.839	25.039	292.5	0.211
81	10.931	32.928	25.175	279.8	0.239
91	9.720	33.205	25.597	239.7	0.265
100	9.442	33.273	25.696	230.4	0.286
126	9.112	33.709	26.090	193.5	0.341
150	9.020	33.869	26.230	180.6	0.386
176	8.719	33.953	26.343	170.3	0.432
200	8.472	33.985	26.406	164.6	0.472
226	8.095	33.997	26.472	158.6	0.514
250	7.683	33.987	26.525	153.9	0.552
275	7.513	34.011	26.568	150.1	0.590
300	7.218	34.028	26.623	145.1	0.627
325	6.920	34.023	26.660	141.7	0.662
351	6.364	33.979	26.700	138.0	0.699
376	6.052	33.983	26.743	134.0	0.733
401	5.768	33.980	26.776	130.9	0.766
426	5.624	34.011	26.818	127.1	0.798
450	5.614	34.050	26.850	124.4	0.828
475	5.366	34.042	26.873	122.2	0.859
500	5.183	34.054	26.904	119.4	0.889

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.483	32.629	24.844	309.7	0.000
5	11.483	32.629	24.844	309.8	0.012
10	11.487	32.629	24.843	309.9	0.028
15	11.477	32.625	24.842	310.2	0.043
21	11.485	32.626	24.841	310.4	0.062
26	11.480	32.626	24.842	310.4	0.078
31	11.485	32.629	24.843	310.3	0.093
35	11.474	32.624	24.841	310.6	0.105
40	11.492	32.629	24.842	310.6	0.121
45	11.499	32.629	24.841	310.9	0.137
50	11.501	32.631	24.842	310.9	0.152
61	11.402	32.669	24.889	306.6	0.186
71	11.188	32.774	25.010	295.3	0.216
80	10.785	32.874	25.159	281.3	0.242
91	10.422	33.179	25.459	252.9	0.271
101	9.027	33.172	25.683	231.6	0.296
125	9.308	33.702	26.053	197.0	0.347
151	8.818	33.896	26.283	175.6	0.396
176	8.530	33.971	26.386	166.1	0.438
200	8.253	33.992	26.445	160.9	0.477
226	8.133	34.037	26.498	156.2	0.519
251	7.762	34.016	26.536	152.8	0.557
275	7.545	34.058	26.601	147.0	0.593
300	7.341	34.076	26.644	143.2	0.630
326	7.070	34.087	26.690	139.0	0.666
350	6.970	34.120	26.730	135.6	0.699
376	6.750	34.138	26.774	131.6	0.734
401	6.539	34.161	26.820	127.4	0.766
426	6.289	34.151	26.845	125.2	0.798
450	5.793	34.105	26.871	122.5	0.828
476	5.665	34.137	26.912	118.9	0.859
500	5.597	34.144	26.926	117.8	0.887



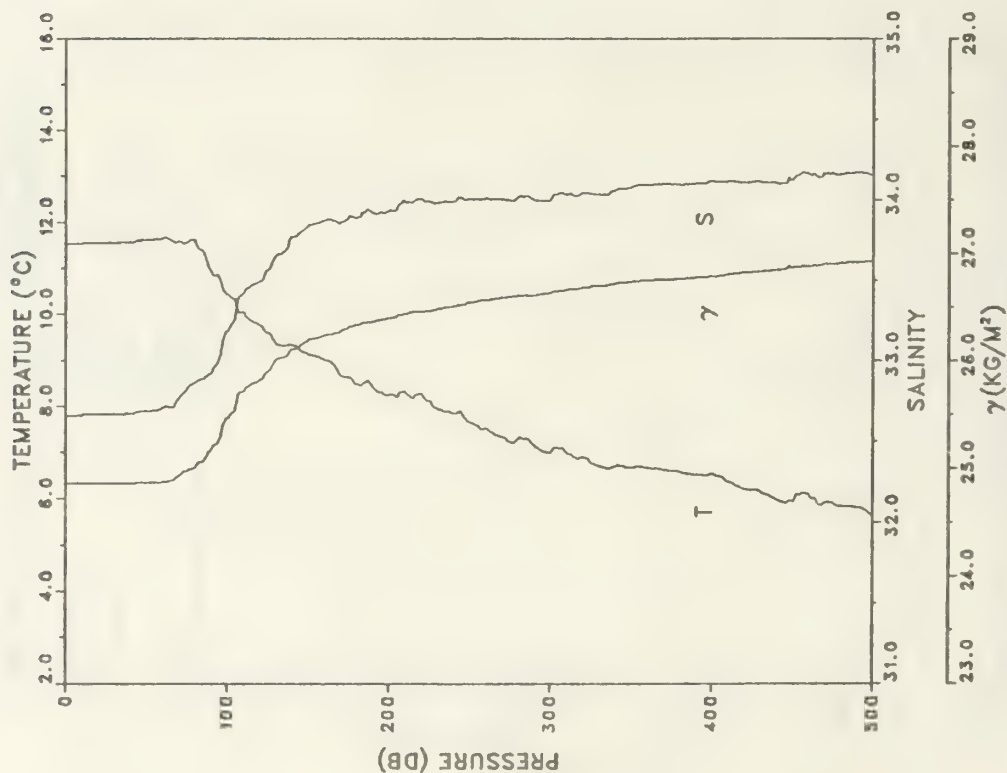
STATION: 45 LAT: 39 25.3 N LON: 125 4.3 W
 DATE: 3/21/87 TIME: 1206Z



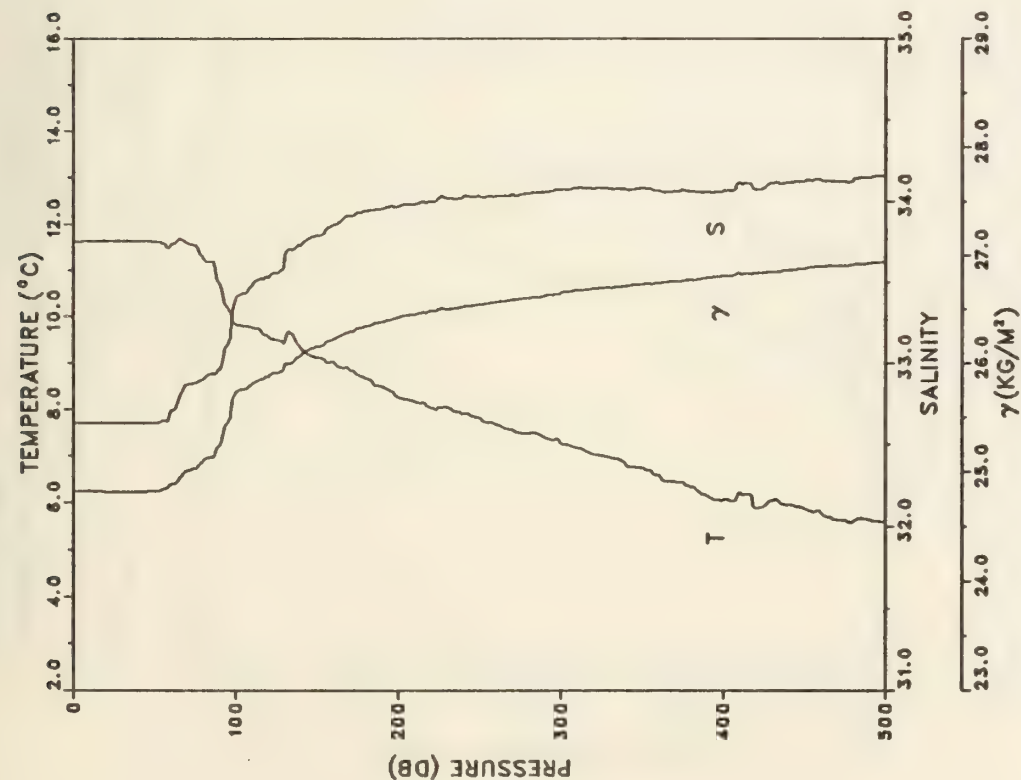
STATION: 46 LAT: 39 32.1 N LON: 125 9.2 W
DATE: 3/21/87 TIME: 1336Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.550	32.685	24.875	306.7	0.000
6	11.556	32.685	24.874	306.9	0.015
10	11.555	32.685	24.874	307.0	0.028
16	11.563	32.684	24.872	307.3	0.046
21	11.562	32.683	24.871	307.5	0.061
25	11.563	32.683	24.871	307.6	0.074
30	11.561	32.683	24.871	307.6	0.089
36	11.561	32.683	24.871	307.8	0.108
41	11.563	32.683	24.871	307.9	0.123
46	11.561	32.684	24.872	307.9	0.138
51	11.533	32.681	24.875	307.7	0.154
61	11.499	32.685	24.884	307.1	0.184
70	11.559	32.752	24.925	303.4	0.212
81	11.157	32.885	25.101	286.8	0.244
91	10.151	32.963	25.337	264.5	0.272
101	9.693	33.195	25.594	240.2	0.297
125	9.384	33.612	25.970	204.8	0.351
150	8.873	33.761	26.168	186.4	0.400
175	8.296	33.847	26.324	171.9	0.444
200	8.027	33.918	26.420	163.1	0.486
225	8.025	34.029	26.508	155.2	0.526
251	7.488	33.996	26.560	150.5	0.566
276	7.346	34.018	26.597	147.2	0.603
301	7.051	34.044	26.659	141.6	0.639
325	7.039	34.092	26.698	138.2	0.673
351	6.854	34.111	26.739	134.7	0.708
375	6.651	34.116	26.770	131.9	0.740
401	6.516	34.137	26.804	128.9	0.774
426	6.304	34.154	26.845	125.2	0.806
450	6.228	34.170	26.868	123.3	0.836
475	6.051	34.181	26.899	120.5	0.866
500	5.824	34.196	26.940	116.8	0.896

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.529	32.655	24.856	308.5	0.000
6	11.533	32.656	24.856	308.6	0.015
10	11.535	32.657	24.856	308.7	0.028
16	11.555	32.666	24.859	308.5	0.046
21	11.551	32.664	24.859	308.7	0.062
26	11.556	32.665	24.858	308.8	0.077
31	11.557	32.666	24.859	308.9	0.093
36	11.561	32.666	24.858	309.0	0.108
40	11.571	32.668	24.858	309.1	0.120
45	11.608	32.681	24.861	308.9	0.136
51	11.619	32.686	24.863	308.9	0.154
61	11.665	32.708	24.872	308.3	0.185
70	11.579	32.756	24.925	303.4	0.213
80	11.612	32.862	25.001	296.4	0.243
91	10.901	32.926	25.179	279.6	0.274
101	10.413	33.191	25.470	252.1	0.301
125	9.600	33.561	25.895	212.0	0.357
150	9.134	33.830	26.181	185.3	0.406
175	8.623	33.881	26.301	174.2	0.451
200	8.255	33.930	26.396	165.5	0.494
226	8.092	33.985	26.463	159.5	0.536
250	7.659	34.003	26.541	152.3	0.573
276	7.214	33.993	26.596	147.3	0.612
301	6.996	34.004	26.635	143.8	0.649
326	6.762	34.037	26.693	138.6	0.684
351	6.675	34.079	26.737	134.6	0.718
375	6.615	34.094	26.757	133.1	0.750
401	6.546	34.114	26.782	131.0	0.785
426	6.201	34.111	26.825	127.0	0.817
450	5.944	34.121	26.865	123.3	0.847
475	5.919	34.166	26.904	119.9	0.877
500	5.651	34.159	26.932	117.3	0.907



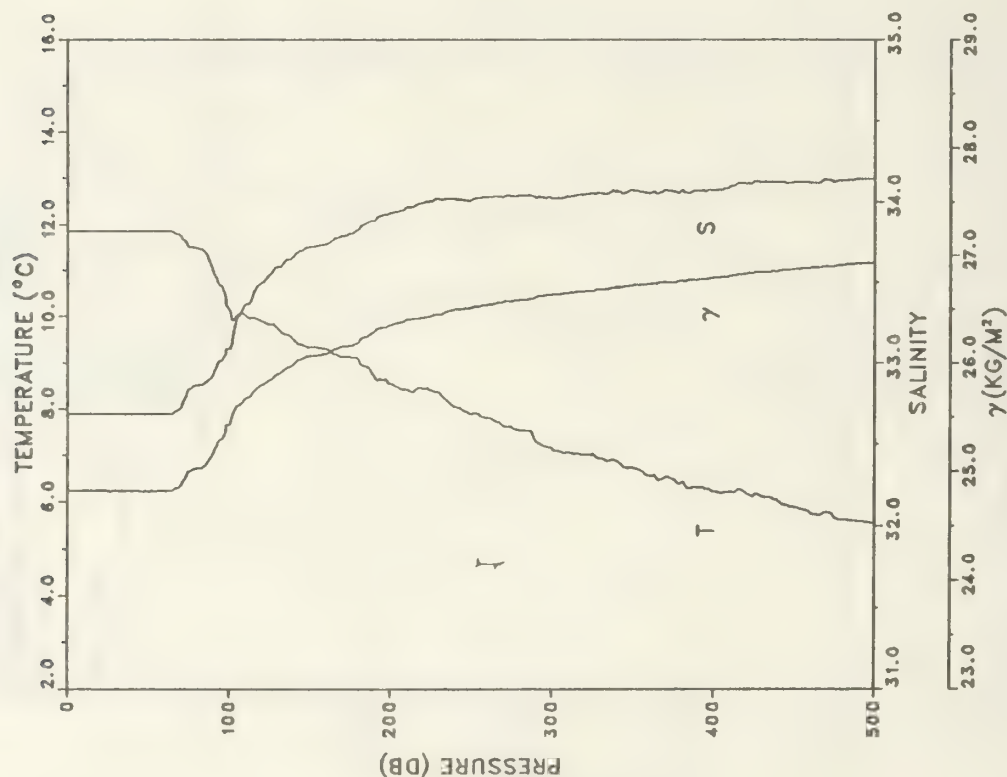
STATION: 47 LAT: 39 39.8 N LON: 125 14.4 W
DATE: 3/21/87 TIME: 1506Z



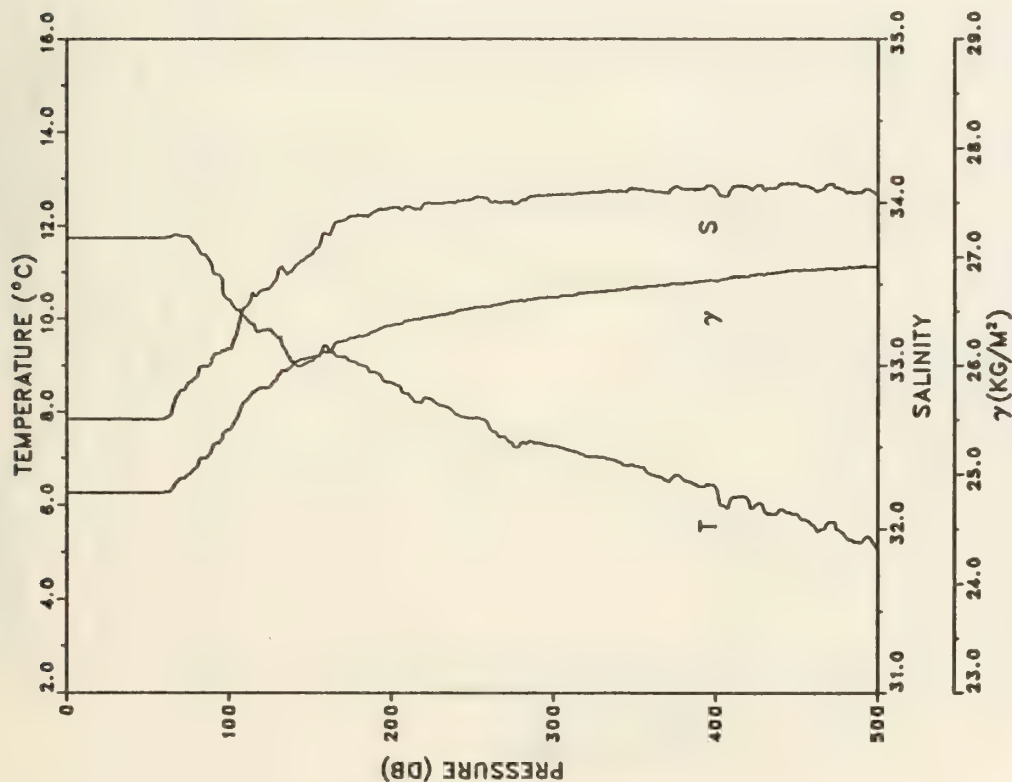
STATION: 48 LAT: 39 46.7 N LON: 125 19.8 W
 DATE: 3/21/87 TIME: 1711Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.622	32.628	24.818	312.2	0.000
5	11.623	32.629	24.818	312.2	0.012
10	11.630	32.630	24.818	312.3	0.028
15	11.630	32.629	24.817	312.5	0.044
21	11.632	32.629	24.817	312.7	0.062
26	11.633	32.629	24.816	312.8	0.078
31	11.635	32.629	24.816	312.9	0.094
35	11.635	32.630	24.817	313.0	0.106
40	11.637	32.629	24.816	313.2	0.122
46	11.634	32.630	24.817	313.2	0.141
51	11.625	32.632	24.820	313.0	0.156
60	11.516	32.683	24.880	307.5	0.184
70	11.608	32.864	25.004	295.9	0.214
81	11.224	32.906	25.106	286.4	0.246
90	10.746	32.963	25.235	274.3	0.272
100	9.832	33.387	25.721	228.1	0.297
125	9.502	33.558	25.909	210.7	0.352
151	9.112	33.787	26.151	188.1	0.404
176	8.737	33.929	26.321	172.3	0.449
200	8.260	33.967	26.424	162.8	0.489
226	8.038	34.019	26.498	156.2	0.530
250	7.817	34.028	26.538	152.7	0.567
276	7.485	34.041	26.596	147.5	0.606
300	7.261	34.070	26.650	142.5	0.641
325	7.007	34.079	26.692	138.8	0.676
351	6.725	34.079	26.731	135.3	0.712
376	6.432	34.066	26.759	132.7	0.745
401	6.070	34.065	26.805	128.4	0.778
425	5.929	34.084	26.838	125.5	0.809
450	5.868	34.122	26.876	122.2	0.840
475	5.629	34.121	26.904	119.6	0.870
500	5.592	34.154	26.935	117.0	0.899

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.853	32.684	24.819	312.1	0.000
5	11.853	32.684	24.819	312.1	0.012
10	11.853	32.683	24.818	312.3	0.028
15	11.854	32.684	24.818	312.4	0.044
20	11.856	32.683	24.817	312.6	0.059
26	11.855	32.682	24.817	312.8	0.078
31	11.856	32.683	24.817	312.8	0.094
36	11.856	32.683	24.817	312.9	0.109
40	11.859	32.683	24.817	313.1	0.122
45	11.860	32.683	24.817	313.2	0.138
50	11.859	32.683	24.817	313.3	0.153
60	11.861	32.684	24.817	313.5	0.185
71	11.738	32.722	24.869	308.7	0.219
81	11.474	32.863	25.027	293.9	0.249
90	11.063	32.914	25.141	283.2	0.275
101	10.114	33.085	25.438	255.0	0.304
126	9.838	33.545	25.843	217.0	0.364
150	9.338	33.719	26.061	196.7	0.413
176	9.121	33.803	26.162	187.5	0.463
201	8.543	33.931	26.353	169.7	0.508
226	8.392	34.000	26.430	162.8	0.549
251	7.899	34.014	26.515	155.0	0.589
276	7.602	34.034	26.573	149.6	0.627
300	7.151	34.020	26.626	144.7	0.662
325	7.031	34.054	26.669	140.9	0.698
350	6.746	34.070	26.721	136.2	0.733
375	6.489	34.063	26.749	133.7	0.767
401	6.222	34.071	26.790	129.9	0.801
425	6.144	34.117	26.837	125.8	0.831
450	5.880	34.119	26.872	122.6	0.863
475	5.684	34.118	26.895	120.5	0.893
500	5.556	34.141	26.929	117.5	0.923



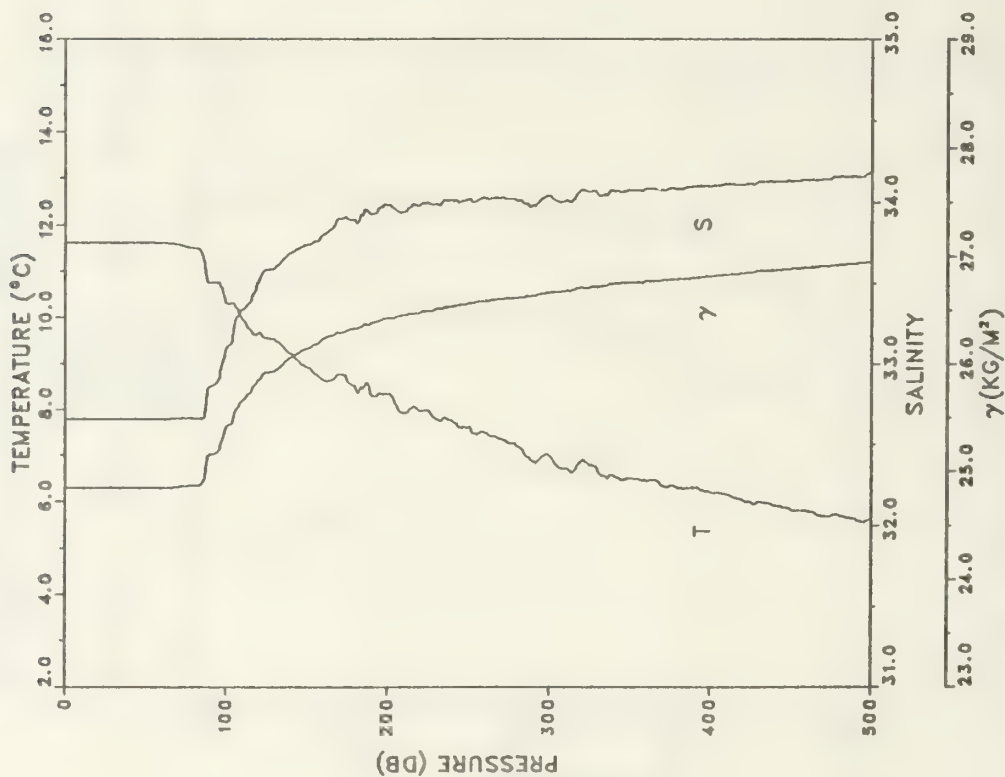
STATION: 49 LAT: 39 52.9 N LON: 125 25.1 W
DATE: 3/21/87 TIME: 1830Z



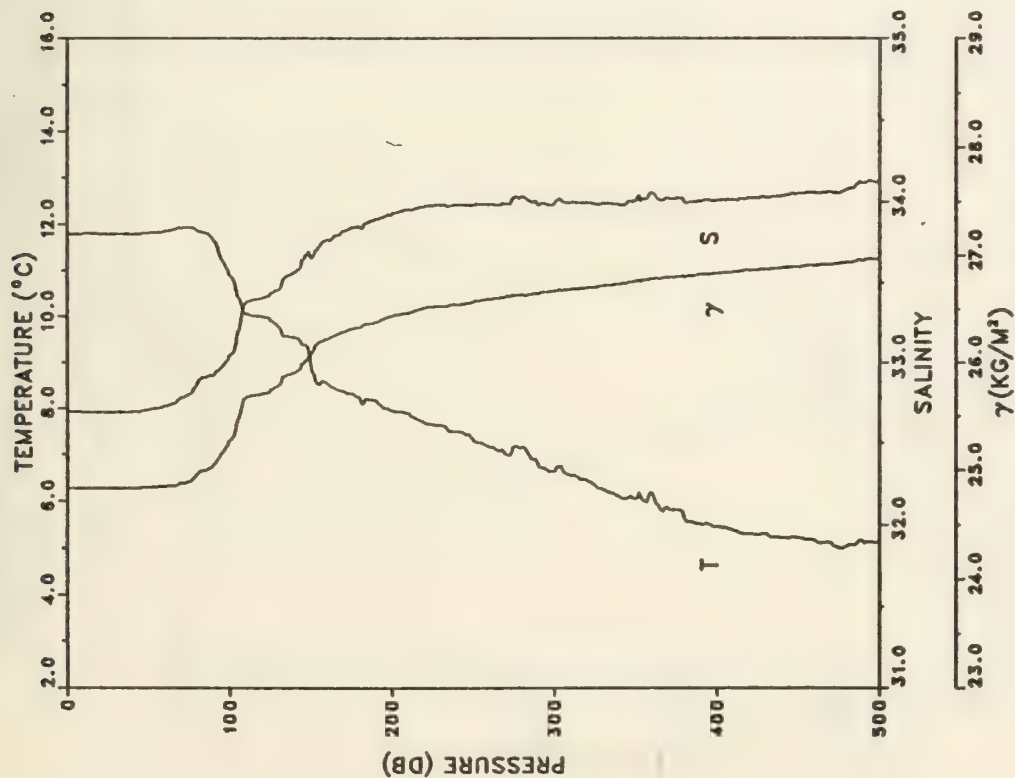
STATION: 50 LAT: 40 0.3 N LON: 125 28.7 W
 DATE: 3/21/87 TIME: 2006Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.733	32.570	24.830	311.0	0.000
5	11.734	32.669	24.829	311.2	0.012
11	11.735	32.669	24.829	311.3	0.031
15	11.734	32.668	24.828	311.5	0.044
20	11.735	32.668	24.828	311.6	0.059
26	11.733	32.667	24.828	311.7	0.078
30	11.734	32.668	24.828	311.8	0.090
36	11.734	32.668	24.828	311.9	0.109
40	11.735	32.668	24.828	312.0	0.122
46	11.733	32.668	24.828	312.1	0.140
51	11.734	32.667	24.827	312.3	0.156
60	11.739	32.671	24.830	312.3	0.184
71	11.779	32.846	24.958	300.3	0.218
80	11.580	32.926	25.057	291.1	0.244
91	10.974	33.058	25.269	271.1	0.275
101	10.374	33.100	25.406	258.2	0.302
125	9.773	33.473	25.798	221.3	0.359
151	9.090	33.681	26.071	195.7	0.413
175	9.092	33.913	26.253	178.9	0.458
200	8.622	33.966	26.368	168.3	0.502
225	8.257	33.994	26.446	161.2	0.543
250	7.855	34.018	26.524	154.0	0.582
275	7.291	33.993	26.585	148.3	0.620
301	7.266	34.046	26.631	144.4	0.658
325	7.036	34.063	26.676	140.3	0.692
350	6.830	34.085	26.721	136.3	0.727
375	6.635	34.094	26.755	133.3	0.761
400	6.389	34.082	26.778	131.3	0.794
425	6.016	34.100	26.840	125.4	0.826
451	5.807	34.113	26.876	122.1	0.858
476	5.474	34.088	26.897	120.1	0.888
500	5.070	34.049	26.913	118.4	0.917

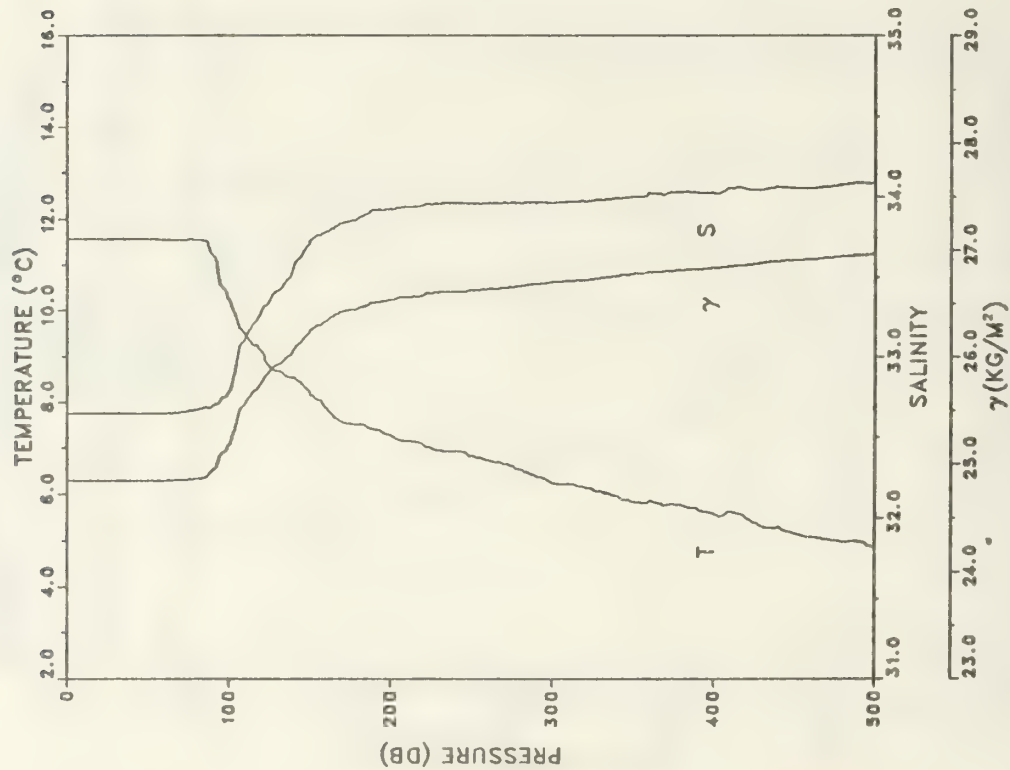
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.620	32.657	24.841	310.0	0.000
5	11.620	32.657	24.841	310.1	0.012
10	11.623	32.656	24.839	310.3	0.028
15	11.623	32.656	24.839	310.4	0.043
21	11.620	32.656	24.840	310.5	0.062
25	11.618	32.656	24.840	310.5	0.074
30	11.618	32.656	24.840	310.6	0.090
36	11.620	32.655	24.839	310.9	0.109
40	11.620	32.655	24.839	311.0	0.121
45	11.620	32.655	24.839	311.1	0.137
50	11.618	32.655	24.839	311.1	0.152
61	11.614	32.656	24.841	311.2	0.186
70	11.587	32.659	24.848	310.7	0.214
81	11.504	32.661	24.865	309.3	0.249
91	10.758	32.860	25.152	282.1	0.278
100	10.308	33.090	25.409	257.8	0.302
125	9.560	33.581	25.917	209.9	0.361
151	8.904	33.737	26.145	188.7	0.413
176	8.605	33.896	26.316	172.8	0.458
200	8.339	33.982	26.424	162.9	0.498
226	7.949	33.989	26.488	157.1	0.540
250	7.620	34.020	26.560	150.5	0.577
276	7.258	34.017	26.609	146.1	0.615
301	6.959	34.033	26.663	141.2	0.651
325	6.787	34.064	26.711	136.9	0.684
351	6.497	34.070	26.754	132.9	0.720
375	6.342	34.086	26.797	130.0	0.751
401	6.204	34.100	26.816	127.6	0.785
425	6.000	34.111	26.850	124.4	0.815
450	5.839	34.126	26.882	121.6	0.846
475	5.704	34.145	26.914	118.7	0.876
500	5.643	34.179	26.948	115.7	0.905



STATION: 51 LAT: 40 0.4 N LON: 125 38.7 W
DATE: 3/21/87 TIME: 2148Z

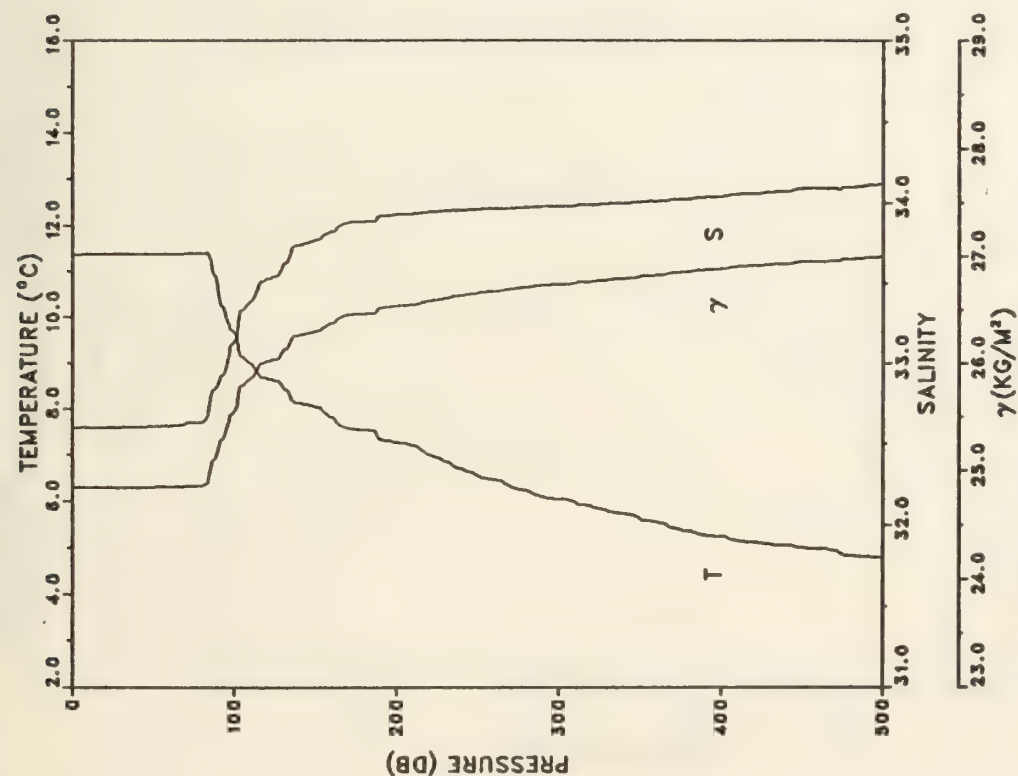


PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.785	32.692	24.837	310.3	0.000
5	11.785	32.692	24.837	310.4	0.012
11	11.801	32.690	24.833	310.9	0.031
16	11.799	32.689	24.832	311.1	0.047
21	11.796	32.689	24.833	311.1	0.062
26	11.799	32.689	24.832	311.3	0.078
31	11.791	32.691	24.836	311.1	0.093
35	11.790	32.689	24.834	311.3	0.106
41	11.794	32.692	24.836	311.3	0.124
46	11.801	32.698	24.839	311.1	0.140
50	11.815	32.706	24.843	310.8	0.152
61	11.852	32.727	24.852	310.2	0.187
71	11.927	32.782	24.881	307.7	0.217
81	11.848	32.881	24.973	299.2	0.248
91	11.600	32.926	25.053	291.7	0.277
101	10.869	33.051	25.282	270.0	0.305
126	9.898	33.433	25.746	226.3	0.367
151	8.817	33.644	26.085	194.2	0.420
176	8.308	33.838	26.316	172.7	0.466
200	7.954	33.922	26.434	161.7	0.506
225	7.662	33.975	26.518	154.1	0.545
250	7.330	33.976	26.567	149.7	0.583
276	7.178	34.028	26.629	144.2	0.622
301	6.640	33.995	26.676	139.7	0.657
326	6.304	33.982	26.710	136.6	0.692
350	6.058	34.003	26.758	132.2	0.724
375	5.815	34.021	26.802	128.1	0.757
400	5.460	34.008	26.835	125.0	0.788
425	5.283	34.023	26.868	122.1	0.819
451	5.211	34.050	26.898	119.5	0.850
475	4.994	34.053	26.925	116.9	0.879
500	5.122	34.124	26.967	113.4	0.908



PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.564	32.646	24.842	309.8	0.000
5	11.561	32.644	24.841	310.0	0.012
10	11.559	32.644	24.842	310.1	0.028
16	11.563	32.645	24.842	310.2	0.047
21	11.566	32.646	24.842	310.3	0.062
26	11.564	32.645	24.841	310.4	0.078
31	11.565	32.645	24.841	310.5	0.093
35	11.565	32.645	24.841	310.6	0.105
41	11.566	32.646	24.842	310.7	0.124
46	11.561	32.646	24.843	310.7	0.140
51	11.562	32.647	24.843	310.8	0.155
61	11.549	32.647	24.846	310.8	0.186
71	11.550	32.654	24.851	310.5	0.217
80	11.551	32.670	24.863	309.5	0.245
91	11.186	32.697	24.950	301.4	0.279
101	10.210	32.785	25.188	278.8	0.308
126	8.750	33.359	25.873	214.0	0.369
150	8.218	33.706	26.225	180.8	0.417
176	7.525	33.848	26.438	160.8	0.461
200	7.274	33.923	26.533	152.1	0.499
226	6.978	33.950	26.595	146.5	0.538
250	6.827	33.957	26.621	144.3	0.572
276	6.604	33.959	26.652	141.6	0.610
300	6.252	33.961	26.700	137.2	0.643
326	6.099	33.976	26.731	134.5	0.678
351	5.844	33.998	26.780	129.9	0.711
376	5.792	34.026	26.809	127.5	0.744
400	5.593	34.024	26.832	125.5	0.774
426	5.387	34.043	26.872	121.8	0.806
450	5.155	34.054	26.908	118.5	0.835
476	5.005	34.069	26.937	115.8	0.865
500	4.860	34.088	26.968	113.0	0.893

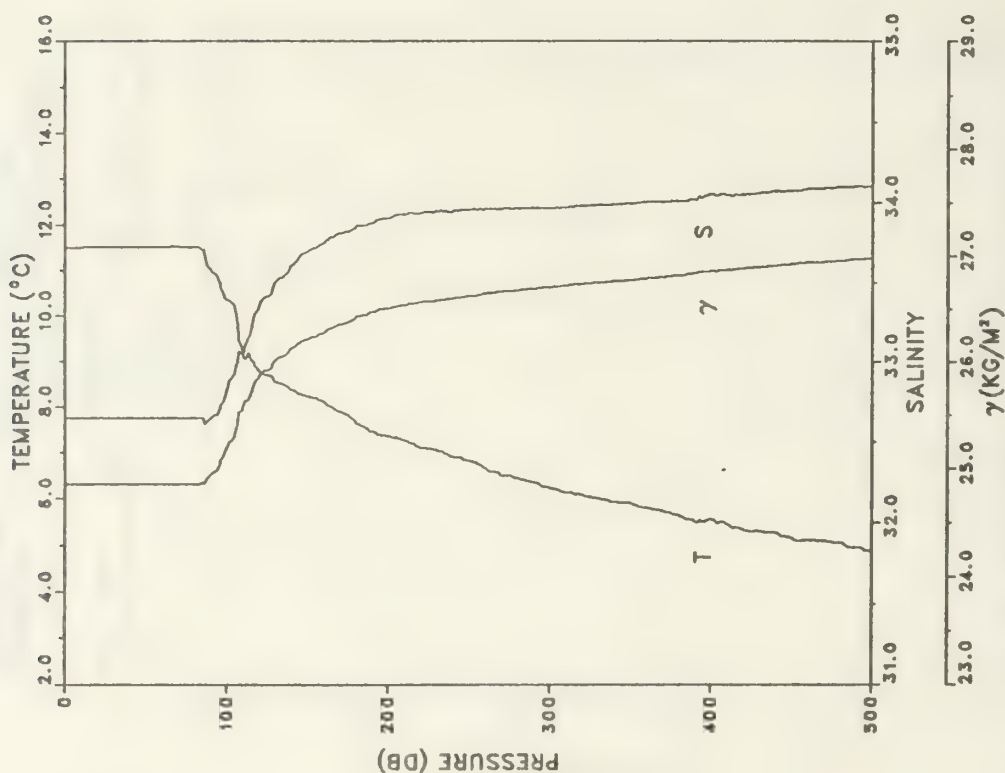
STATION: 53 LAT: 40 0.4 N LON: 125 58.8 W
DATE: 3/22/87 TIME: 0041Z



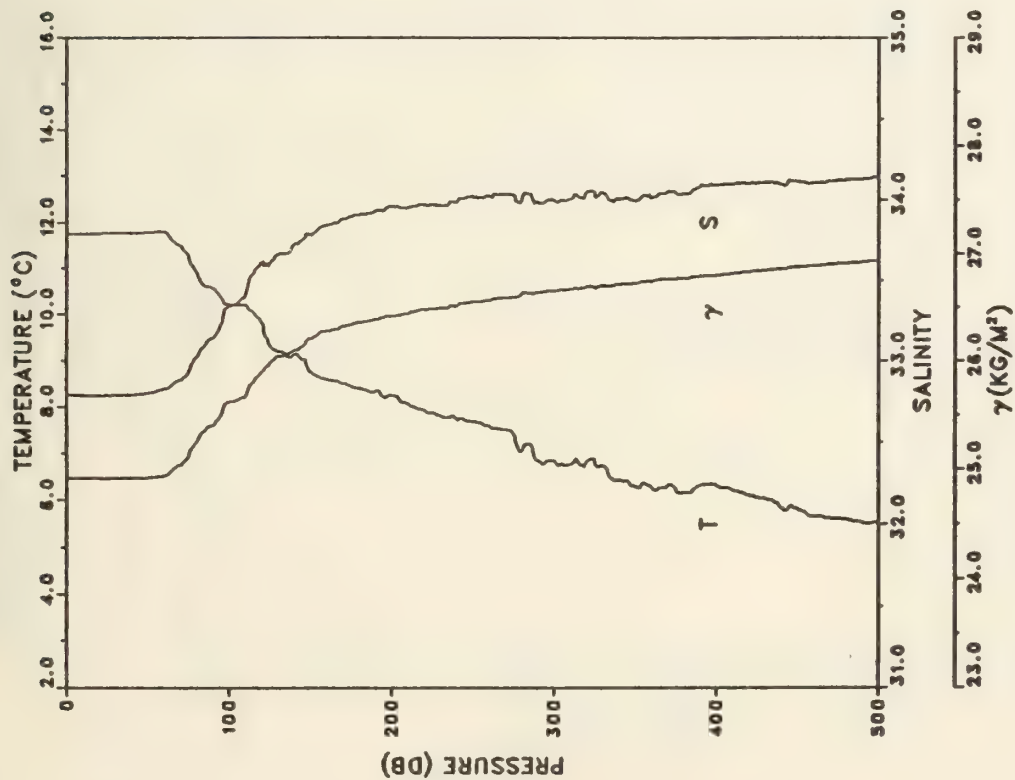
STATION: 54 LAT: 40 0.0 N LON: 126 10.2 W
DATE: 3/22/87 TIME: 0236Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.364	32.598	24.841	309.9	0.000
5	11.368	32.598	24.840	310.1	0.012
10	11.372	32.598	24.840	310.2	0.028
16	11.371	32.597	24.839	310.4	0.047
21	11.373	32.598	24.839	310.5	0.062
25	11.374	32.599	24.840	310.5	0.074
30	11.374	32.601	24.842	310.5	0.090
35	11.375	32.602	24.842	310.5	0.106
41	11.376	32.600	24.841	310.8	0.124
46	11.377	32.603	24.843	310.7	0.140
50	11.378	32.606	24.845	310.6	0.152
60	11.378	32.608	24.846	310.6	0.183
70	11.393	32.622	24.855	310.1	0.214
81	11.396	32.634	24.863	309.5	0.248
91	10.451	32.878	25.219	275.7	0.278
101	9.628	33.145	25.566	242.8	0.303
126	8.620	33.543	26.037	198.4	0.359
151	8.047	33.768	26.300	173.7	0.405
176	7.559	33.882	26.460	158.8	0.447
200	7.272	33.927	26.536	151.8	0.484
226	6.929	33.945	26.598	146.2	0.523
250	6.559	33.959	26.658	140.6	0.557
276	6.264	33.970	26.705	136.4	0.593
300	6.061	33.980	26.739	133.4	0.626
325	5.850	33.991	26.774	130.2	0.658
350	5.628	34.005	26.813	126.7	0.691
376	5.381	34.024	26.857	122.6	0.723
401	5.252	34.040	26.885	120.1	0.753
425	5.112	34.060	26.917	117.2	0.782
451	5.009	34.088	26.951	114.2	0.812
475	4.854	34.094	26.974	112.2	0.839
500	4.814	34.114	26.994	110.5	0.867

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.504	32.645	24.852	308.9	0.000
5	11.503	32.643	24.851	309.1	0.012
11	11.506	32.643	24.850	309.2	0.031
16	11.511	32.643	24.850	309.4	0.046
20	11.515	32.645	24.850	309.4	0.059
25	11.513	32.644	24.850	309.6	0.074
30	11.515	32.643	24.849	309.8	0.090
36	11.516	32.643	24.849	309.9	0.108
41	11.516	32.644	24.849	310.0	0.124
45	11.521	32.644	24.848	310.1	0.136
51	11.521	32.644	24.848	310.3	0.155
60	11.519	32.643	24.848	310.5	0.183
71	11.521	32.645	24.849	310.6	0.217
80	11.508	32.645	24.852	310.6	0.245
91	10.994	32.646	24.944	301.9	0.279
101	10.351	32.842	25.208	276.9	0.307
126	8.688	33.413	25.924	209.0	0.368
151	8.221	33.701	26.221	181.2	0.417
175	7.832	33.819	26.371	167.3	0.459
201	7.367	33.902	26.503	155.0	0.501
225	7.088	33.938	26.570	148.9	0.537
250	6.830	33.955	26.619	144.5	0.574
275	6.501	33.961	26.667	140.1	0.609
301	6.238	33.964	26.704	136.8	0.645
325	6.045	33.982	26.743	133.3	0.678
350	5.911	33.990	26.766	131.4	0.711
376	5.682	34.008	26.808	127.5	0.745
401	5.570	34.051	26.856	123.2	0.776
426	5.299	34.052	26.889	120.1	0.806
451	5.147	34.074	26.924	116.9	0.836
475	5.073	34.093	26.948	114.9	0.864
500	4.881	34.100	26.975	112.3	0.892



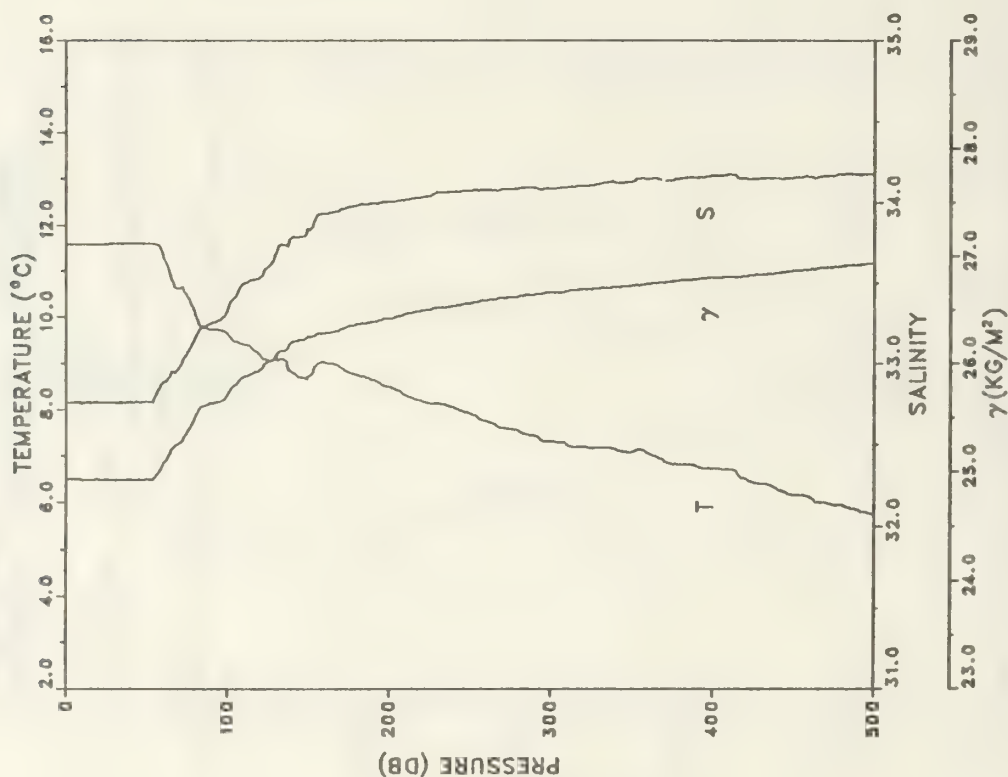
STATION: 55 LAT: 39 53.4 N LONG: 126 5.4 W
DATE: 3/22/87 TIME: 0353Z



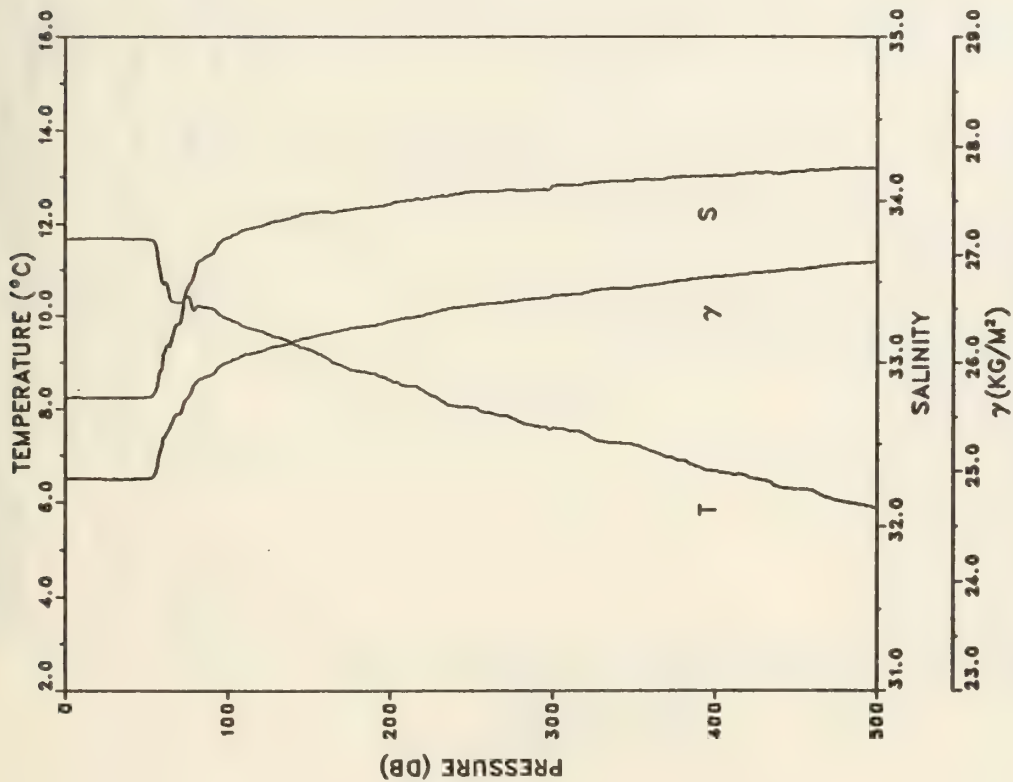
STATION: 56 LAT: 39 46.4 N LON: 125 59.6 W
 DATE: 3/22/87 TIME: 0518Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.753	32.785	24.916	302.8	0.000
6	11.756	32.784	24.914	303.1	0.015
11	11.756	32.784	24.914	303.2	0.030
16	11.760	32.784	24.913	303.4	0.045
20	11.762	32.783	24.912	303.6	0.058
26	11.767	32.784	24.912	303.7	0.076
31	11.771	32.787	24.914	303.7	0.091
36	11.773	32.788	24.914	303.7	0.106
41	11.774	32.787	24.913	303.9	0.121
45	11.779	32.792	24.916	303.7	0.134
51	11.789	32.800	24.921	303.4	0.152
61	11.793	32.826	24.940	301.8	0.182
70	11.496	32.879	25.036	292.9	0.209
80	10.929	33.022	25.248	272.8	0.237
91	10.554	33.146	25.411	257.5	0.266
100	10.216	33.335	25.616	238.2	0.289
126	9.282	33.615	25.989	203.1	0.346
151	8.744	33.779	26.203	183.1	0.394
176	8.430	33.901	26.346	169.8	0.438
200	8.254	33.959	26.419	163.3	0.478
226	7.871	33.969	26.483	157.5	0.520
250	7.690	34.016	26.547	151.8	0.557
275	7.424	34.028	26.594	147.6	0.595
301	6.809	33.990	26.649	142.3	0.632
325	6.870	34.049	26.688	139.1	0.666
350	6.280	33.992	26.721	135.9	0.700
375	6.254	34.042	26.763	132.2	0.734
400	6.320	34.093	26.795	129.6	0.767
426	6.053	34.105	26.839	125.6	0.800
450	5.823	34.114	26.875	122.2	0.829
476	5.614	34.124	26.908	119.2	0.861
500	5.521	34.140	26.932	117.1	0.889

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.581	32.760	24.928	301.7	0.000
5	11.580	32.760	24.928	301.8	0.012
10	11.589	32.750	24.918	302.8	0.027
16	11.590	32.760	24.926	302.2	0.045
20	11.588	32.760	24.926	302.2	0.057
26	11.593	32.760	24.925	302.4	0.076
31	11.596	32.759	24.924	302.7	0.091
35	11.596	32.760	24.925	302.7	0.103
41	11.598	32.759	24.924	302.9	0.121
46	11.600	32.760	24.924	303.0	0.136
51	11.602	32.763	24.926	302.9	0.151
61	11.274	32.887	25.082	288.2	0.181
70	10.630	32.958	25.251	272.3	0.206
80	10.112	33.149	25.488	249.9	0.232
90	9.729	33.248	25.629	236.6	0.256
100	9.653	33.323	25.701	230.0	0.280
125	9.059	33.598	26.011	200.9	0.334
151	8.729	33.827	26.242	179.3	0.383
176	8.794	33.973	26.347	169.9	0.427
201	8.498	34.004	26.417	163.6	0.468
226	8.132	34.043	26.503	155.8	0.508
250	7.914	34.073	26.559	150.8	0.545
275	7.586	34.082	26.614	145.8	0.582
301	7.304	34.087	26.658	141.9	0.620
325	7.168	34.105	26.691	139.0	0.653
350	7.081	34.130	26.722	136.4	0.688
375	6.818	34.135	26.762	132.7	0.721
400	6.735	34.167	26.799	129.6	0.754
426	6.426	34.145	26.822	127.5	0.788
450	6.160	34.152	26.862	123.8	0.818
475	5.952	34.165	26.899	120.4	0.848
500	5.753	34.175	26.932	117.4	0.878



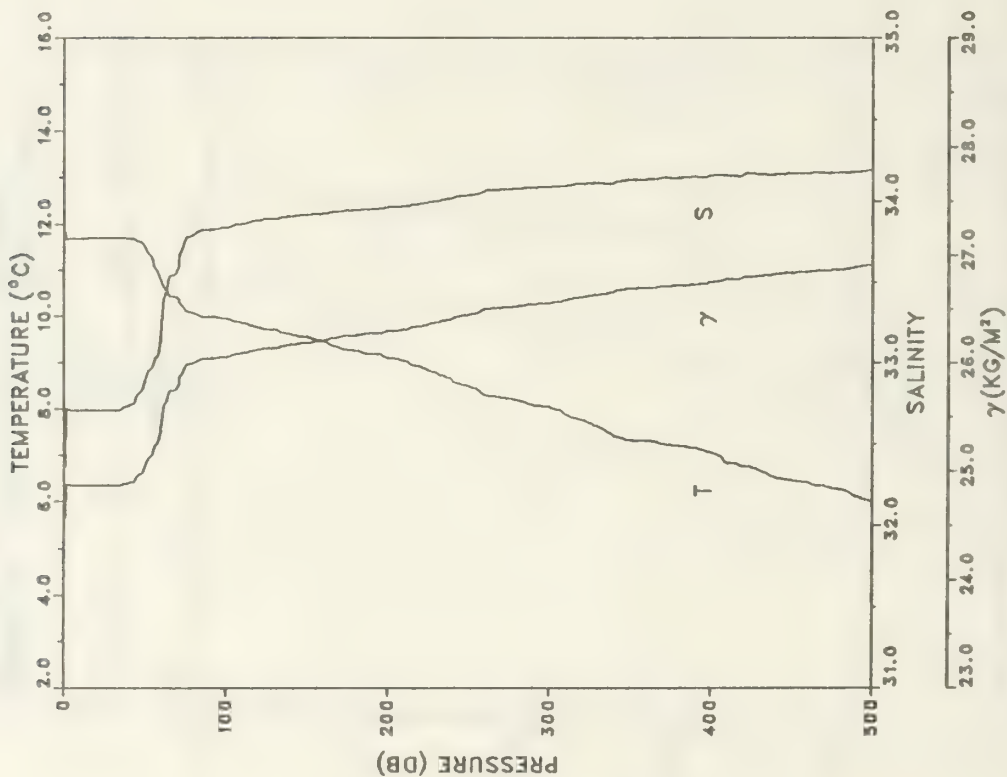
STATION: 57 LAT: 39 39.0 N LON: 125 56.0 W
DATE: 3/22/87 TIME: 0648Z



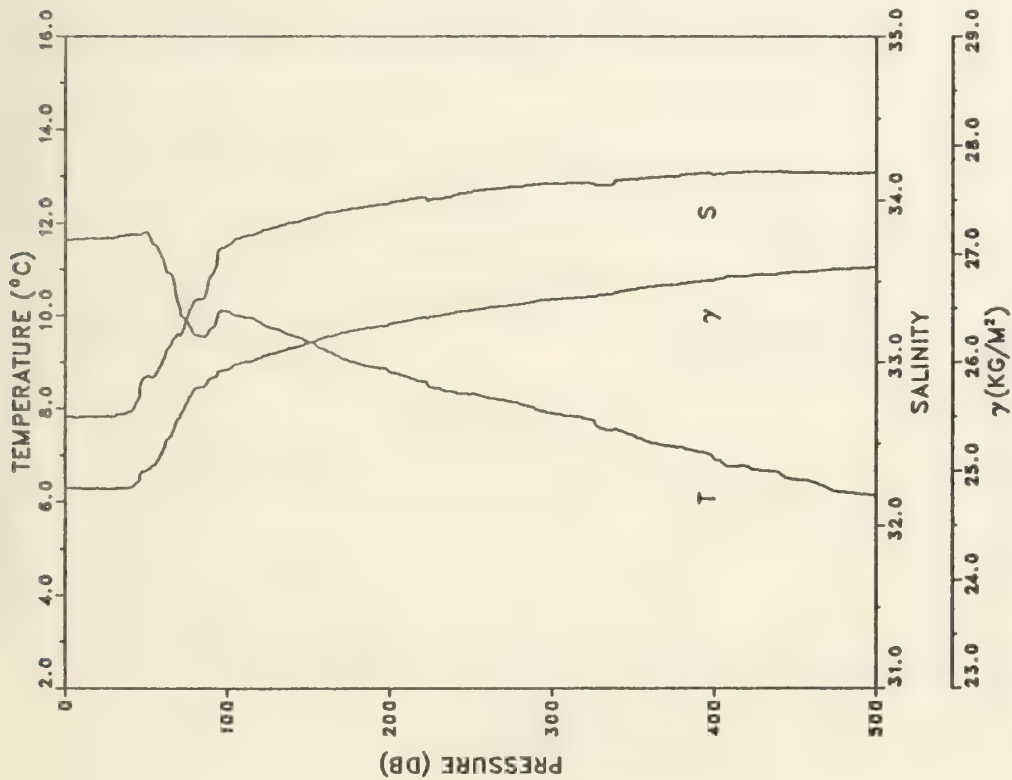
STATION: 58 LAT: 39 32.6 N LON: 125 51.0 W
 DATE: 3/22/87 TIME: 0811Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.678	32.784	24.929	301.6	0.000
5	11.672	32.786	24.931	301.4	0.012
10	11.675	32.784	24.929	301.7	0.027
15	11.681	32.783	24.927	302.0	0.042
20	11.679	32.783	24.928	302.1	0.057
26	11.680	32.782	24.927	302.3	0.075
31	11.679	32.782	24.927	302.4	0.091
36	11.678	32.781	24.926	302.6	0.106
41	11.677	32.781	24.926	302.7	0.121
45	11.672	32.781	24.927	302.7	0.133
51	11.661	32.787	24.934	302.1	0.151
61	10.696	33.054	25.314	266.1	0.180
70	10.296	33.238	25.527	246.1	0.203
80	10.129	33.551	25.799	220.4	0.226
90	10.172	33.672	25.886	212.3	0.248
100	9.945	33.772	26.003	201.4	0.268
126	9.590	33.865	26.134	189.4	0.319
151	9.273	33.925	26.233	180.4	0.365
176	8.846	33.949	26.320	172.5	0.409
200	8.620	33.979	26.378	167.3	0.450
225	8.289	34.021	26.462	159.7	0.491
251	8.030	34.056	26.528	153.7	0.532
276	7.798	34.068	26.572	149.9	0.570
300	7.603	34.092	26.619	145.7	0.605
325	7.369	34.110	26.666	141.5	0.641
350	7.227	34.126	26.699	138.7	0.676
376	6.913	34.145	26.757	133.3	0.711
401	6.669	34.154	26.797	129.7	0.744
426	6.499	34.173	26.835	126.3	0.776
450	6.289	34.179	26.867	123.4	0.806
475	6.049	34.195	26.910	119.4	0.837
500	5.886	34.201	26.936	117.2	0.866

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.826	32.355	24.568	335.9	0.000
6	11.680	32.705	24.867	307.6	0.016
11	11.681	32.705	24.867	307.7	0.031
15	11.699	32.706	24.864	308.0	0.044
20	11.698	32.705	24.864	308.2	0.059
26	11.698	32.704	24.863	308.4	0.078
31	11.698	32.705	24.864	308.4	0.093
35	11.696	32.706	24.865	308.4	0.105
40	11.692	32.731	24.885	306.6	0.121
46	11.622	32.802	24.953	300.3	0.139
50	11.523	32.874	25.027	293.3	0.151
60	10.808	33.128	25.352	262.5	0.179
71	10.372	33.592	25.790	221.1	0.205
80	10.070	33.791	25.996	201.6	0.224
90	9.984	33.824	26.037	198.0	0.244
100	9.951	33.836	26.052	196.8	0.264
125	9.717	33.890	26.133	189.5	0.312
150	9.551	33.914	26.179	185.6	0.359
176	9.273	33.941	26.246	179.7	0.407
200	9.096	33.961	26.290	175.9	0.449
225	8.822	33.991	26.356	169.9	0.493
250	8.478	34.036	26.443	161.8	0.534
276	8.213	34.074	26.515	155.5	0.575
300	8.043	34.087	26.551	152.4	0.612
326	7.684	34.111	26.622	145.9	0.651
351	7.321	34.131	26.690	139.6	0.687
375	7.218	34.142	26.713	137.7	0.720
400	7.062	34.156	26.746	134.9	0.754
426	6.734	34.171	26.802	129.7	0.788
450	6.460	34.169	26.837	126.4	0.819
475	6.288	34.173	26.863	124.2	0.851
500	6.015	34.188	26.909	119.8	0.881

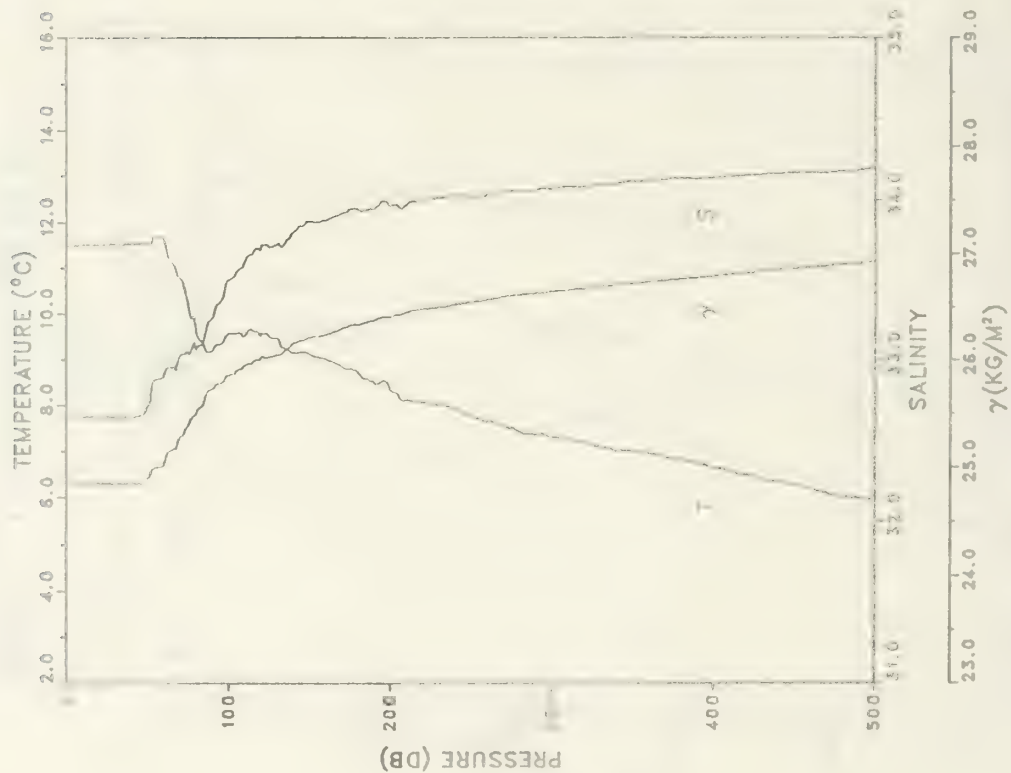


STATION: 59 LAT: 39 25.3 N LON: 125 46.4 W
 DATE: 3/22/87 TIME: 0948Z



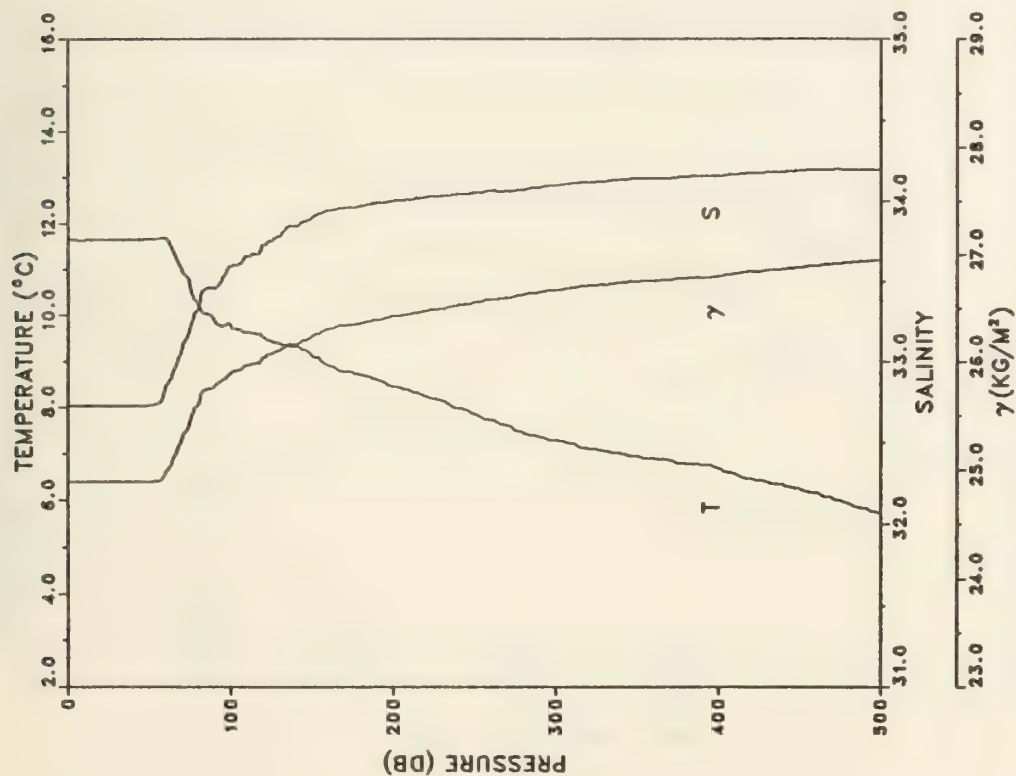
STATION: 60 LAT: 39 18.1 N LON: 125 42.1 W
 DATE: 3/22/87 TIME: 1123Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.643	32.663	24.841	309.9	0.000
6	11.647	32.662	24.839	310.2	0.016
10	11.659	32.664	24.839	310.3	0.028
16	11.665	32.663	24.837	310.6	0.047
20	11.663	32.665	24.839	310.5	0.059
25	11.674	32.666	24.838	310.8	0.074
31	11.695	32.672	24.838	310.8	0.093
35	11.724	32.682	24.841	310.7	0.106
41	11.751	32.698	24.848	310.1	0.124
46	11.741	32.787	24.919	303.5	0.140
50	11.807	32.910	25.003	295.6	0.152
60	11.280	32.989	25.160	280.8	0.180
70	10.302	33.174	25.476	250.9	0.207
81	9.576	33.385	25.762	223.9	0.233
91	9.742	33.539	25.855	215.3	0.255
100	10.100	33.718	25.934	207.9	0.274
125	9.768	33.824	26.073	195.2	0.324
151	9.423	33.890	26.181	185.3	0.374
176	9.016	33.945	26.290	175.4	0.419
200	8.794	33.984	26.355	169.6	0.460
226	8.457	34.005	26.424	163.4	0.504
251	8.317	34.051	26.481	158.3	0.544
275	8.142	34.079	26.530	154.1	0.581
300	7.897	34.102	26.584	149.2	0.619
325	7.743	34.101	26.606	147.5	0.656
350	7.419	34.129	26.674	141.1	0.692
375	7.186	34.146	26.720	137.0	0.727
401	6.903	34.159	26.770	132.5	0.762
426	6.688	34.174	26.811	128.8	0.795
450	6.484	34.172	26.836	126.5	0.826
475	6.230	34.165	26.864	124.0	0.857
500	6.115	34.170	26.882	122.5	0.888



STATION: 61 LAT: 39 11.0 N LON: 125 37.1 W
DATE: 3/22/87 TIME: 1311Z

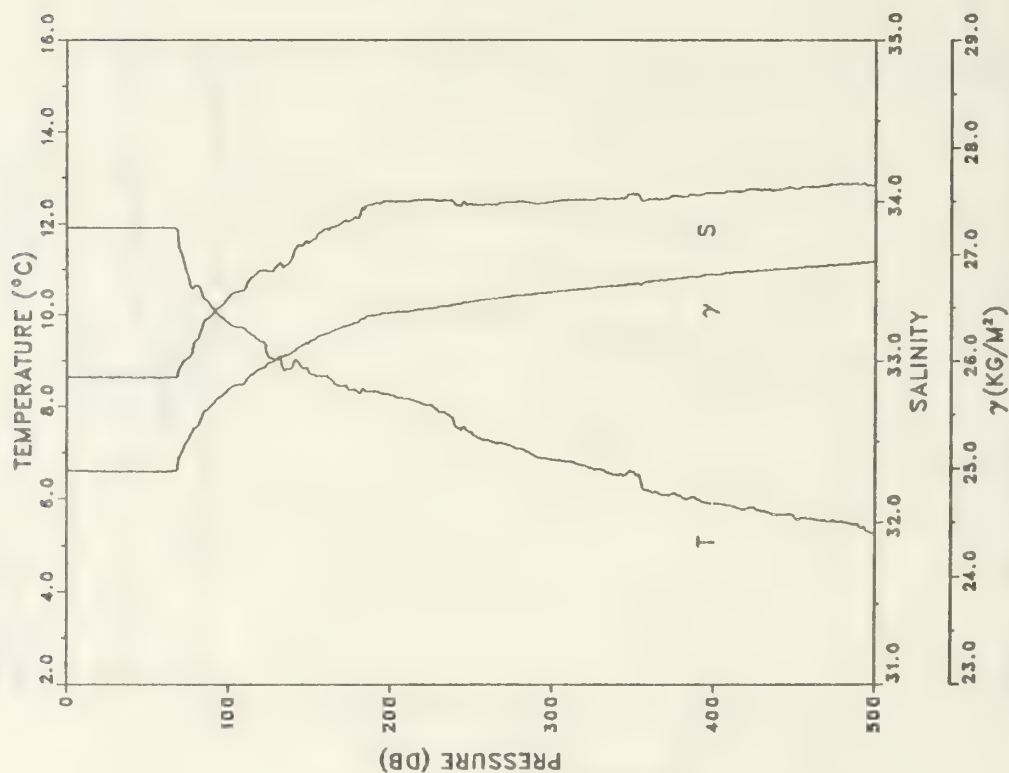
TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
11.503	33.042	24.850	309.1	0.000
11.505	32.645	24.851	309.0	0.012
11.517	32.642	24.848	309.3	0.028
11.520	32.643	24.848	309.6	0.043
11.511	32.642	24.849	309.6	0.062
11.521	32.644	24.848	309.7	0.077
11.525	32.643	24.847	310.0	0.090
11.525	32.643	24.847	310.1	0.108
11.528	32.643	24.846	310.2	0.121
11.548	32.652	24.850	310.0	0.139
11.527	32.719	24.906	304.8	0.155
11.674	32.889	25.011	295.0	0.182
10.810	33.011	25.261	271.4	0.210
9.894	33.062	25.490	249.6	0.236
9.224	33.266	25.725	227.4	0.262
9.577	33.501	25.852	215.6	0.282
9.809	33.706	26.023	199.8	0.334
9.114	33.866	26.107	182.3	0.384
8.798	33.946	26.123	172.0	0.428
8.117	33.918	26.403	154.6	0.409
8.017	34.008	26.490	157.0	0.510
7.743	34.033	26.544	152.0	0.549
7.313	34.059	26.606	146.5	0.588
7.317	34.069	26.642	143.4	0.623
7.137	34.084	26.678	140.2	0.657
7.014	34.118	26.722	136.3	0.693
6.858	34.139	26.757	133.3	0.729
6.658	34.139	26.790	130.4	0.759
6.483	34.155	26.825	127.2	0.791
6.277	34.168	26.880	124.1	0.822
6.047	34.176	26.896	120.6	0.853
5.960	34.185	26.924	118.4	0.882



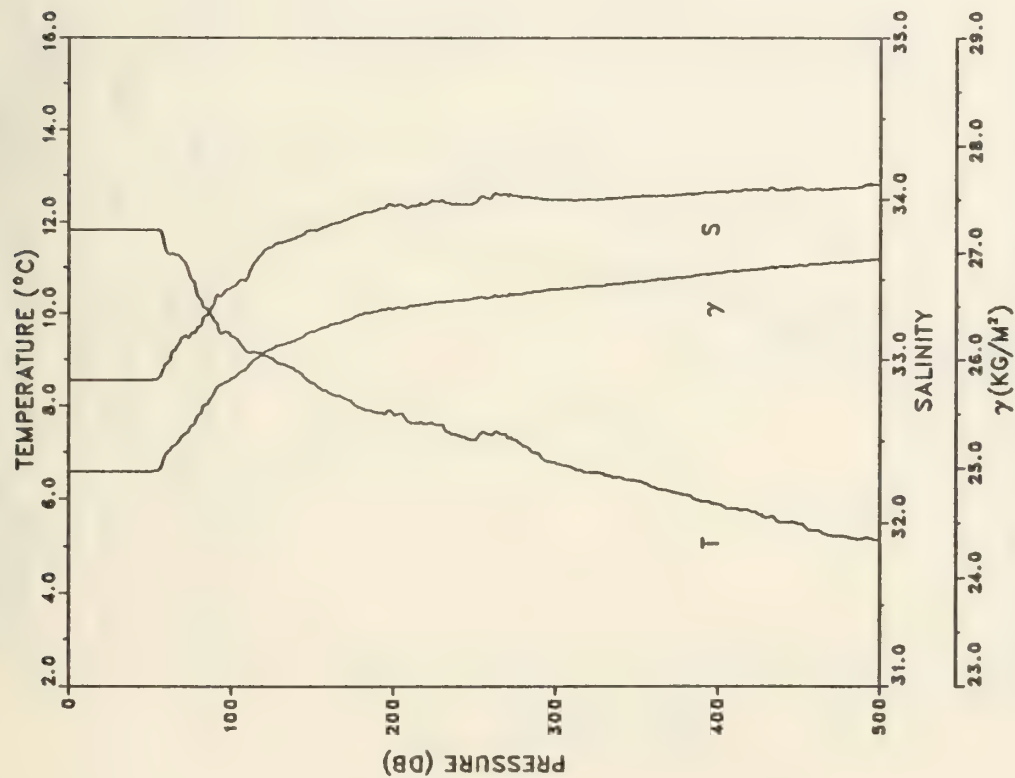
STATION: 62 LAT: 39 3.9 N LON: 125 32.8 W
DATE: 3/22/87 TIME: 1430Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.647	32.725	24.888	305.4	0.000
5	11.647	32.725	24.888	305.5	0.012
10	11.643	32.723	24.888	305.7	0.027
16	11.655	32.724	24.886	306.0	0.046
20	11.654	32.724	24.886	306.0	0.058
26	11.657	32.724	24.886	306.2	0.076
31	11.657	32.724	24.886	306.3	0.092
36	11.658	32.723	24.885	306.5	0.107
41	11.659	32.723	24.885	306.6	0.122
45	11.660	32.724	24.885	306.7	0.135
51	11.666	32.728	24.887	306.6	0.153
60	11.691	32.825	24.958	300.1	0.180
71	10.922	33.109	25.317	266.0	0.212
80	10.255	33.315	25.594	239.9	0.234
90	9.920	33.453	25.758	224.4	0.257
100	9.777	33.591	25.889	212.1	0.279
125	9.438	33.750	26.069	195.5	0.330
151	9.098	33.899	26.241	179.6	0.379
176	8.744	33.959	26.344	170.2	0.423
200	8.444	34.000	26.422	163.1	0.463
226	8.170	34.027	26.485	157.5	0.504
251	7.838	34.050	26.552	151.4	0.543
276	7.491	34.066	26.615	145.7	0.580
300	7.287	34.097	26.668	140.9	0.615
326	7.088	34.119	26.713	136.9	0.651
350	6.947	34.139	26.748	133.8	0.683
376	6.794	34.148	26.776	131.5	0.718
401	6.674	34.157	26.799	129.5	0.750
426	6.437	34.176	26.845	125.3	0.782
450	6.245	34.188	26.880	122.2	0.812
475	6.006	34.198	26.918	118.7	0.842
500	5.735	34.196	26.951	115.6	0.871

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.905	32.894	24.972	297.5	0.000
5	11.905	32.894	24.972	297.5	0.012
10	11.907	32.895	24.972	297.6	0.027
16	11.911	32.893	24.970	298.0	0.045
20	11.910	32.894	24.971	298.0	0.057
25	11.911	32.893	24.970	298.2	0.071
31	11.915	32.894	24.970	298.3	0.089
35	11.916	32.894	24.970	298.4	0.101
40	11.916	32.894	24.970	298.5	0.116
46	11.916	32.893	24.969	298.7	0.134
51	11.917	32.893	24.969	298.8	0.149
60	11.916	32.893	24.969	299.0	0.176
71	11.347	32.968	25.132	283.7	0.208
81	10.641	33.134	25.386	259.7	0.235
90	10.165	33.289	25.589	240.5	0.258
100	9.810	33.396	25.732	227.1	0.281
125	9.086	33.562	25.979	204.0	0.335
151	8.699	33.749	26.186	184.7	0.385
176	8.355	33.881	26.342	170.2	0.430
200	8.252	34.001	26.452	160.2	0.470
226	8.017	34.007	26.492	156.8	0.511
250	7.442	33.981	26.555	150.9	0.548
276	7.124	33.992	26.608	146.1	0.586
301	6.843	33.996	26.649	142.4	0.622
326	6.644	34.010	26.687	139.0	0.657
351	6.568	34.038	26.719	136.3	0.692
376	6.125	34.039	26.778	130.7	0.725
400	5.905	34.052	26.816	127.3	0.756
425	5.813	34.076	26.846	124.6	0.788
450	5.625	34.077	26.870	122.5	0.819
475	5.533	34.105	26.903	119.6	0.849
500	5.248	34.101	26.934	116.6	0.878



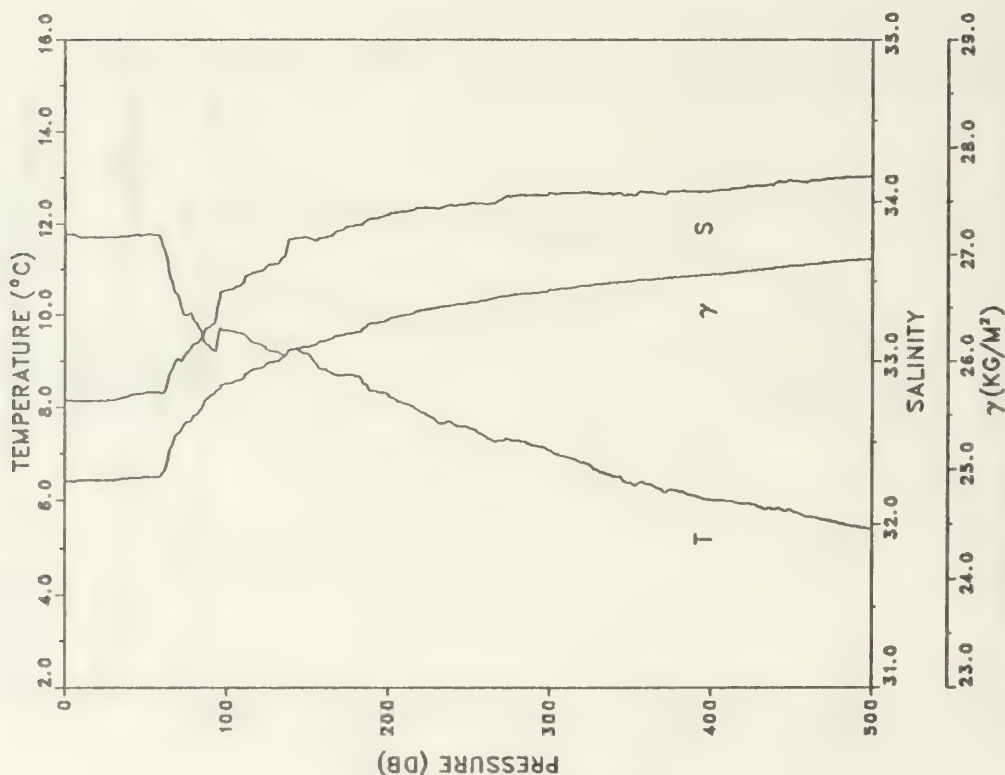
STATION: 63 LAT: 38 57.0 N LON: 125 28.1 W
DATE: 3/22/87 TIME: 1553Z



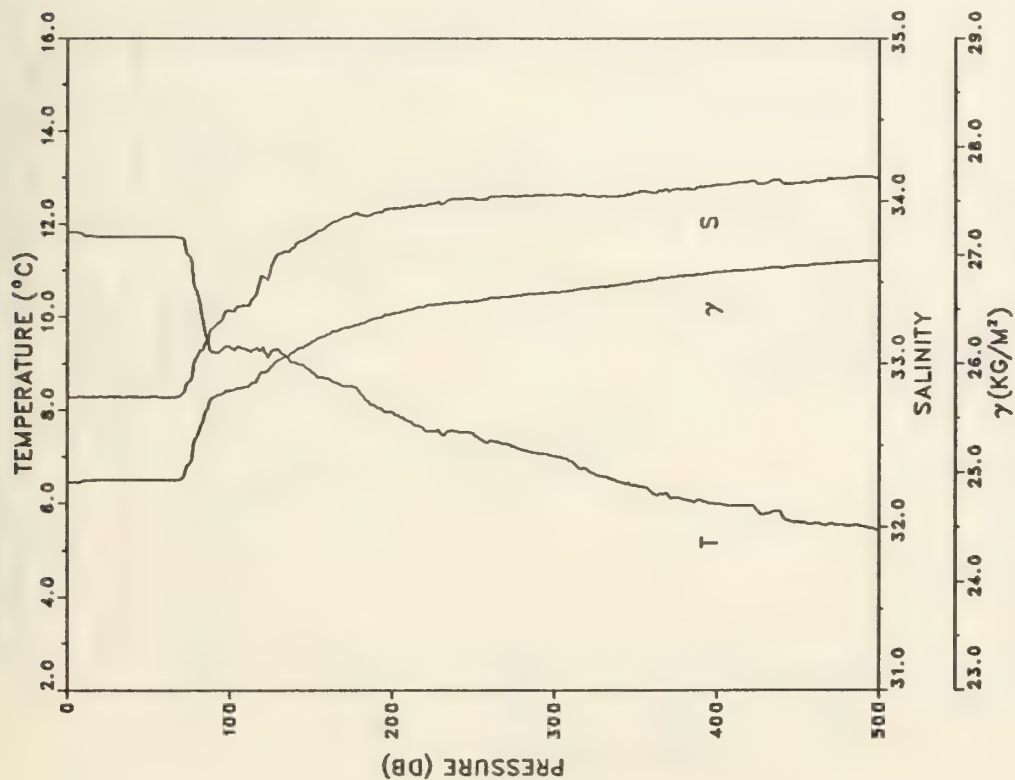
STATION: 64 LAT: 38 49.7 N LON: 125 23.4 W
DATE: 3/22/87 TIME: 1711Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.823	32.869	24.968	297.9	0.000
6	11.819	32.870	24.969	297.8	0.015
10	11.819	32.871	24.970	297.8	0.027
15	11.820	32.871	24.970	298.0	0.042
21	11.819	32.870	24.969	298.1	0.060
26	11.819	32.869	24.969	298.3	0.074
31	11.818	32.870	24.970	298.4	0.089
35	11.819	32.869	24.969	298.5	0.101
41	11.819	32.871	24.970	298.5	0.119
46	11.818	32.870	24.970	298.7	0.134
51	11.822	32.872	24.970	298.7	0.149
61	11.329	32.973	25.139	282.8	0.178
71	11.139	33.143	25.305	267.2	0.206
81	10.326	33.210	25.500	248.8	0.232
91	9.821	33.392	25.727	227.4	0.255
100	9.514	33.447	25.820	218.6	0.275
125	9.023	33.706	26.102	192.3	0.327
151	8.480	33.806	26.264	177.2	0.375
176	8.054	33.894	26.397	164.9	0.418
200	7.846	33.958	26.478	157.5	0.456
226	7.607	33.990	26.538	152.2	0.497
251	7.282	33.977	26.574	149.0	0.534
276	7.256	34.021	26.612	145.8	0.571
300	6.783	33.997	26.658	141.5	0.605
326	6.576	33.998	26.687	139.0	0.642
350	6.392	34.018	26.727	135.4	0.675
376	6.122	34.027	26.769	131.6	0.710
400	5.893	34.047	26.813	127.5	0.741
426	5.682	34.062	26.851	124.0	0.773
451	5.475	34.073	26.885	121.0	0.804
476	5.224	34.070	26.912	118.4	0.834
500	5.121	34.091	26.941	115.8	0.862

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.772	32.759	24.892	305.1	0.000
5	11.759	32.755	24.891	305.2	0.012
10	11.711	32.754	24.899	304.6	0.027
15	11.704	32.754	24.900	304.6	0.043
20	11.700	32.755	24.902	304.5	0.058
26	11.700	32.756	24.903	304.6	0.076
31	11.705	32.761	24.906	304.4	0.091
36	11.717	32.774	24.914	303.8	0.107
41	11.737	32.790	24.922	303.0	0.122
46	11.750	32.797	24.925	302.9	0.137
50	11.761	32.805	24.930	302.6	0.149
60	11.639	32.803	24.950	300.8	0.179
70	10.447	33.014	25.326	265.1	0.208
81	9.839	33.110	25.504	248.4	0.236
90	9.305	33.214	25.672	232.5	0.257
100	9.659	33.440	25.791	221.4	0.280
126	9.229	33.597	25.983	203.6	0.335
150	9.150	33.769	26.131	190.0	0.383
175	8.707	33.837	26.254	178.7	0.429
200	8.265	33.910	26.379	167.1	0.472
226	7.790	33.960	26.488	157.0	0.514
250	7.547	33.985	26.543	152.1	0.551
275	7.293	34.028	26.613	145.7	0.588
301	7.055	34.050	26.663	141.2	0.626
325	6.756	34.052	26.705	137.4	0.659
351	6.356	34.038	26.747	133.5	0.694
375	6.236	34.060	26.780	130.6	0.726
400	6.013	34.063	26.811	127.8	0.758
426	5.922	34.094	26.847	124.7	0.791
450	5.781	34.126	26.889	120.8	0.821
475	5.561	34.140	26.927	117.3	0.850
500	5.392	34.155	26.960	114.4	0.879



STATION: 65 LAT: 38 43.5 N LON: 125 17.9 W
DATE: 3/22/87 TIME: 1823Z



STATION: 66 LAT: 38 47.0 N LON: 125 10.4 W
DATE: 3/22/87 TIME: 1936Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.827	32.793	24.908	303.5	0.000
5	11.827	32.793	24.908	303.6	0.012
11	11.742	32.792	24.923	302.3	0.030
16	11.732	32.795	24.927	302.1	0.045
21	11.721	32.795	24.929	302.0	0.061
25	11.720	32.795	24.929	302.0	0.073
30	11.720	32.795	24.929	302.1	0.088
35	11.720	32.794	24.929	302.3	0.103
41	11.720	32.795	24.929	302.4	0.121
46	11.718	32.794	24.929	302.5	0.136
51	11.719	32.795	24.930	302.6	0.151
61	11.712	32.792	24.929	302.9	0.181
70	11.705	32.804	24.939	302.1	0.209
80	10.557	33.038	25.326	265.4	0.237
90	9.242	33.220	25.686	231.1	0.262
100	9.350	33.322	25.749	225.4	0.285
125	9.207	33.559	25.957	206.0	0.339
150	8.843	33.782	26.189	184.4	0.387
176	8.503	33.921	26.351	169.4	0.433
201	7.934	33.950	26.459	159.4	0.475
226	7.555	33.986	26.542	151.7	0.513
250	7.498	34.016	26.574	149.1	0.550
276	7.213	34.029	26.625	144.6	0.588
301	7.014	34.039	26.660	141.5	0.623
325	6.626	34.029	26.705	137.3	0.657
351	6.391	34.053	26.754	132.8	0.692
375	6.130	34.075	26.805	128.1	0.723
401	5.992	34.101	26.843	124.7	0.756
425	5.833	34.108	26.869	122.5	0.786
451	5.599	34.110	26.899	119.7	0.817
476	5.546	34.141	26.930	117.1	0.847
500	5.411	34.143	26.948	115.5	0.875

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.857	32.827	24.929	301.6	0.000
6	11.824	32.831	24.938	300.8	0.015
10	11.815	32.833	24.941	300.6	0.027
15	11.803	32.833	24.944	300.5	0.042
21	11.795	32.834	24.946	300.4	0.060
25	11.792	32.835	24.947	300.3	0.072
31	11.795	32.836	24.947	300.5	0.090
35	11.790	32.836	24.948	300.5	0.102
41	11.792	32.836	24.948	300.6	0.120
45	11.796	32.839	24.950	300.6	0.132
50	11.802	32.841	24.950	300.6	0.147
61	11.811	32.843	24.950	300.9	0.180
70	11.830	32.856	24.956	300.4	0.207
80	10.623	33.037	25.314	266.5	0.236
91	9.983	33.307	25.633	236.3	0.263
100	9.528	33.495	25.855	215.3	0.284
125	9.079	33.769	26.142	188.5	0.334
151	8.710	33.881	26.288	175.1	0.381
176	8.408	33.944	26.384	166.3	0.424
200	8.053	33.983	26.468	158.6	0.463
225	7.750	34.005	26.529	153.1	0.502
250	7.519	34.025	26.578	148.7	0.540
275	7.271	34.042	26.627	144.4	0.576
301	7.022	34.053	26.670	140.5	0.614
326	6.725	34.055	26.712	136.7	0.648
350	6.528	34.070	26.750	133.3	0.681
376	6.354	34.078	26.779	130.8	0.715
401	6.202	34.078	26.799	129.2	0.747
425	5.939	34.082	26.835	125.8	0.778
451	5.742	34.100	26.874	122.3	0.810
476	5.619	34.119	26.904	119.6	0.840
500	5.472	34.139	26.937	116.6	0.869



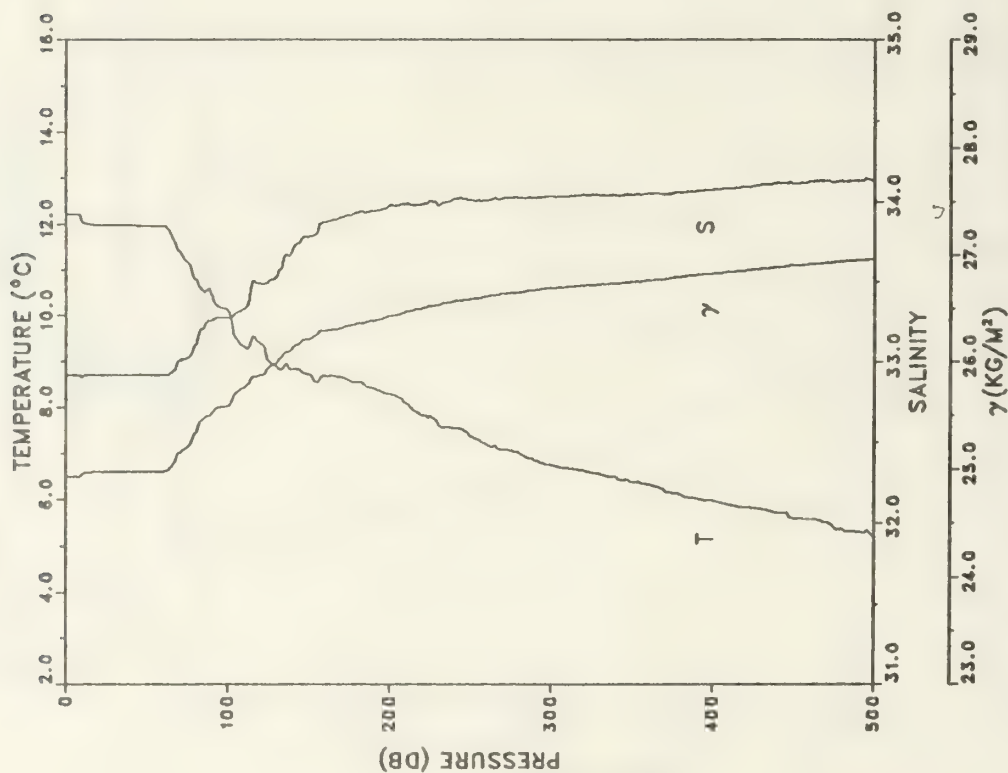
STATION: 67 LAT: 38 50.3 N LON: 125 1.0 W
 DATE: 3/22/87 TIME: 2041Z



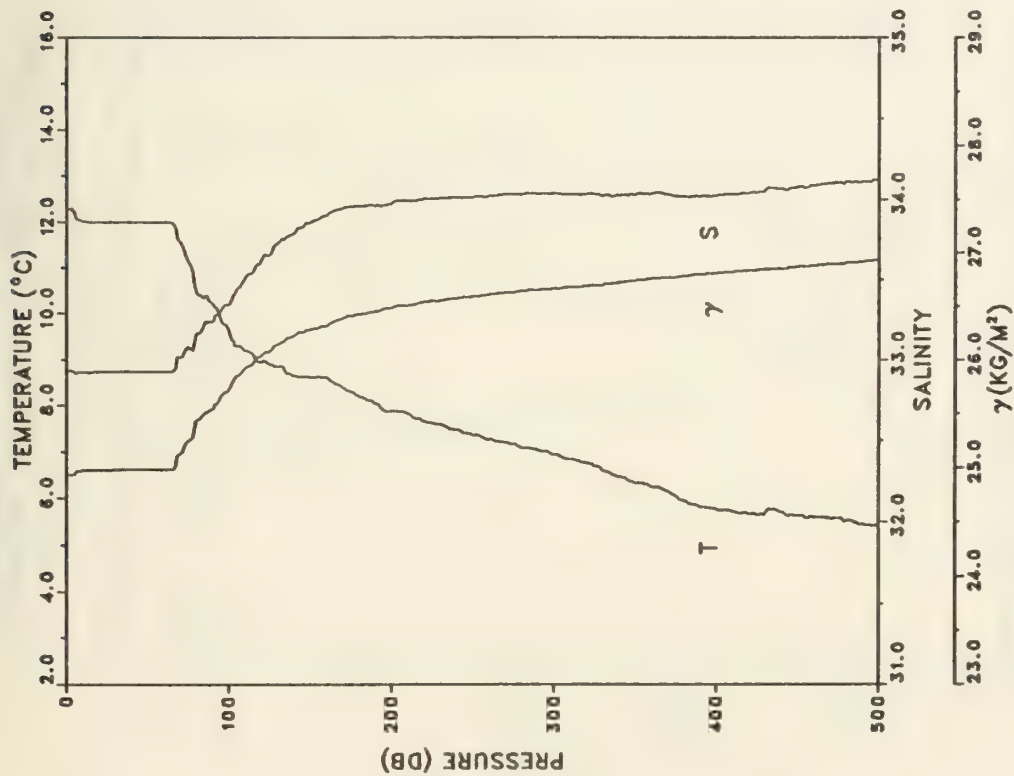
STATION: 68 LAT: 38 53.5 N LON: 124 53.5 W
 DATE: 3/22/87 TIME: 2153Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.190	32.899	24.922	302.2	0.000
6	12.119	32.888	24.927	301.8	0.015
11	11.975	32.895	24.960	298.8	0.030
16	11.971	32.897	24.962	298.7	0.045
20	11.964	32.897	24.963	298.7	0.057
26	11.953	32.896	24.965	298.7	0.075
31	11.950	32.896	24.965	298.8	0.090
35	11.949	32.898	24.967	298.7	0.102
40	11.950	32.897	24.966	298.9	0.117
45	11.952	32.897	24.966	299.0	0.132
51	11.951	32.897	24.966	299.2	0.150
61	11.952	32.898	24.966	299.3	0.180
70	11.948	32.902	24.970	299.2	0.207
81	11.414	32.994	25.140	283.2	0.239
90	10.683	33.137	25.381	260.3	0.263
101	10.033	33.341	25.651	234.8	0.290
125	9.271	33.617	25.992	202.7	0.343
151	8.729	33.782	26.207	182.7	0.393
176	8.480	33.910	26.346	169.9	0.437
200	8.325	33.977	26.422	163.1	0.477
225	7.791	33.973	26.498	156.0	0.517
250	7.516	34.007	26.565	150.0	0.555
276	7.213	34.014	26.613	145.7	0.593
301	6.803	34.011	26.667	140.7	0.629
325	6.618	34.048	26.721	135.8	0.662
351	6.368	34.064	26.766	131.7	0.697
376	6.129	34.066	26.798	128.8	0.730
401	5.954	34.080	26.832	125.8	0.762
426	5.808	34.094	26.861	123.2	0.793
450	5.717	34.116	26.889	120.8	0.822
475	5.620	34.138	26.919	118.2	0.852
500	5.486	34.158	26.951	115.3	0.881

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.221	32.914	24.928	301.6	0.000
5	12.214	32.913	24.929	301.7	0.015
10	12.080	32.901	24.945	300.3	0.027
16	11.994	32.914	24.971	297.9	0.045
20	11.979	32.915	24.975	297.6	0.057
25	11.974	32.915	24.975	297.7	0.072
31	11.974	32.916	24.976	297.7	0.090
35	11.973	32.916	24.976	297.8	0.102
41	11.971	32.917	24.978	297.8	0.120
46	11.970	32.918	24.979	297.8	0.134
50	11.970	32.916	24.977	298.1	0.146
60	11.963	32.916	24.978	298.2	0.176
71	11.382	33.012	25.160	281.1	0.208
81	10.792	33.111	25.342	263.9	0.235
90	10.493	33.252	25.504	248.7	0.258
101	10.068	33.266	25.587	240.9	0.285
126	8.973	33.506	25.953	206.4	0.341
151	8.700	33.782	26.212	182.3	0.390
176	8.569	33.911	26.333	171.2	0.434
200	8.286	33.973	26.425	162.8	0.474
226	7.779	33.996	26.518	154.2	0.515
251	7.361	34.009	26.588	147.7	0.553
276	7.054	34.024	26.643	142.8	0.589
300	6.752	34.031	26.689	138.5	0.623
326	6.580	34.042	26.721	135.8	0.659
350	6.386	34.044	26.748	133.4	0.691
376	6.145	34.057	26.739	129.7	0.725
400	5.981	34.073	26.823	126.7	0.756
426	5.815	34.097	26.862	123.1	0.788
450	5.593	34.111	26.901	119.6	0.817
475	5.399	34.120	26.931	116.8	0.847
500	5.223	34.135	26.964	113.8	0.876



STATION: 69 LAT: 38 56.9 N LON: 124 44.9 W
DATE: 3/22/87 TIME: 2300Z



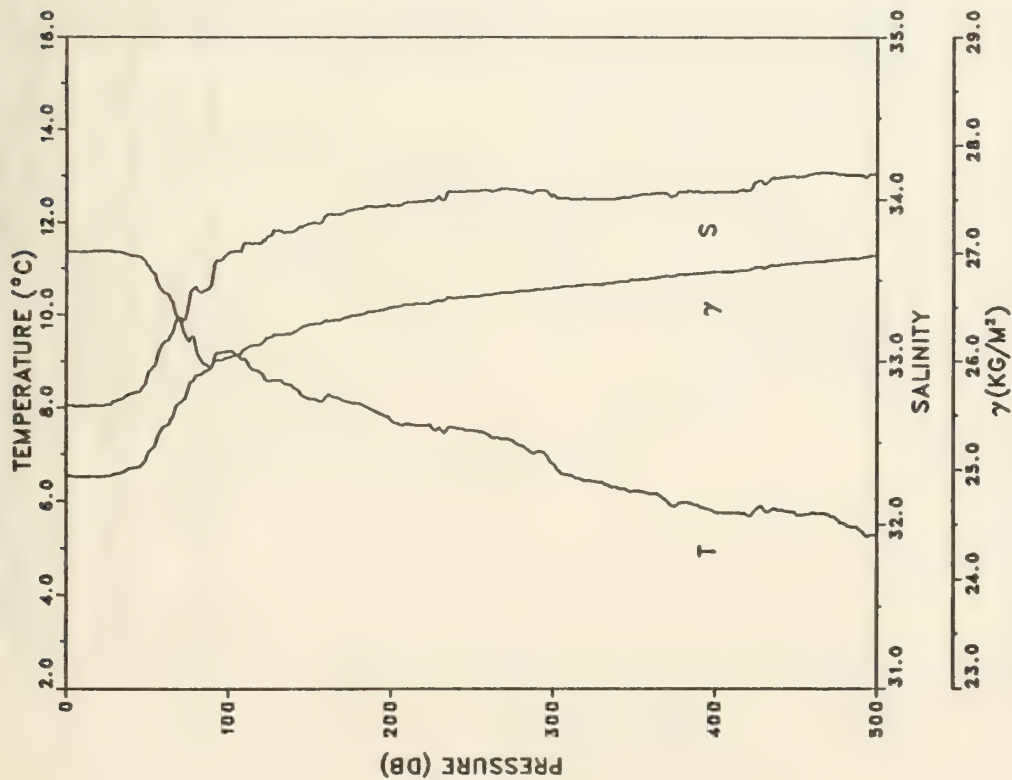
STATION: 690 LAT: 39 0.1 N LON: 124 35.4 W
DATE: 3/23/87 TIME: 0018Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.279	32.927	24.927	301.7	0.000
5	12.083	32.909	24.950	299.6	0.015
10	12.020	32.922	24.972	297.6	0.027
15	12.001	32.921	24.975	297.5	0.042
21	12.000	32.924	24.978	297.4	0.060
26	11.998	32.924	24.978	297.5	0.075
31	11.993	32.924	24.979	297.5	0.089
35	11.988	32.924	24.980	297.5	0.101
40	11.988	32.923	24.979	297.7	0.116
45	11.988	32.924	24.980	297.7	0.131
50	11.987	32.924	24.980	297.8	0.146
61	11.987	32.924	24.980	298.0	0.179
71	11.541	33.017	25.135	283.5	0.208
80	10.483	33.153	25.428	255.6	0.232
91	10.198	33.240	25.545	244.7	0.260
100	9.648	33.346	25.719	228.2	0.281
125	8.902	33.652	26.078	194.5	0.334
150	8.617	33.857	26.283	175.4	0.380
176	8.285	33.956	26.412	163.6	0.424
200	7.888	33.973	26.484	157.0	0.463
226	7.617	34.005	26.549	151.2	0.503
251	7.363	34.018	26.595	147.1	0.540
275	7.179	34.032	26.632	143.9	0.575
301	6.944	34.036	26.667	140.7	0.612
326	6.692	34.032	26.698	138.0	0.647
351	6.333	34.035	26.748	133.4	0.681
375	6.044	34.017	26.770	131.3	0.712
400	5.761	34.024	26.811	127.6	0.745
426	5.656	34.045	26.841	125.0	0.778
451	5.633	34.077	26.869	122.6	0.808
476	5.582	34.106	26.898	120.1	0.839
500	5.395	34.118	26.930	117.2	0.867

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.119	32.897	24.934	301.1	0.000
6	12.121	32.895	24.932	301.3	0.015
10	11.972	32.889	24.956	299.2	0.027
16	11.934	32.895	24.967	298.2	0.045
21	11.922	32.895	24.970	298.1	0.060
26	11.918	32.895	24.970	298.2	0.075
31	11.916	32.896	24.972	298.2	0.090
35	11.916	32.896	24.972	298.3	0.102
40	11.914	32.896	24.972	298.3	0.117
46	11.914	32.896	24.972	298.5	0.134
50	11.915	32.897	24.972	298.5	0.146
60	11.917	32.901	24.975	298.5	0.176
71	11.663	33.096	25.174	279.8	0.208
81	10.929	33.168	25.362	262.0	0.235
91	10.366	33.274	25.543	245.0	0.260
101	9.862	33.406	25.731	227.2	0.284
126	9.233	33.595	25.981	203.8	0.338
151	8.815	33.833	26.234	180.2	0.386
176	8.270	33.943	26.404	164.4	0.429
201	8.150	34.014	26.477	157.8	0.469
226	7.835	34.053	26.555	150.7	0.508
251	7.690	34.066	26.586	148.1	0.545
275	7.470	34.078	26.627	144.5	0.580
300	7.325	34.087	26.655	142.2	0.616
325	7.050	34.089	26.694	138.6	0.651
350	6.856	34.091	26.723	136.2	0.686
376	6.636	34.119	26.774	131.5	0.720
401	6.429	34.132	26.812	128.1	0.753
426	6.264	34.155	26.851	124.6	0.784
450	6.155	34.174	26.880	122.1	0.814
475	5.977	34.189	26.915	118.9	0.844
500	5.840	34.207	26.946	116.2	0.874



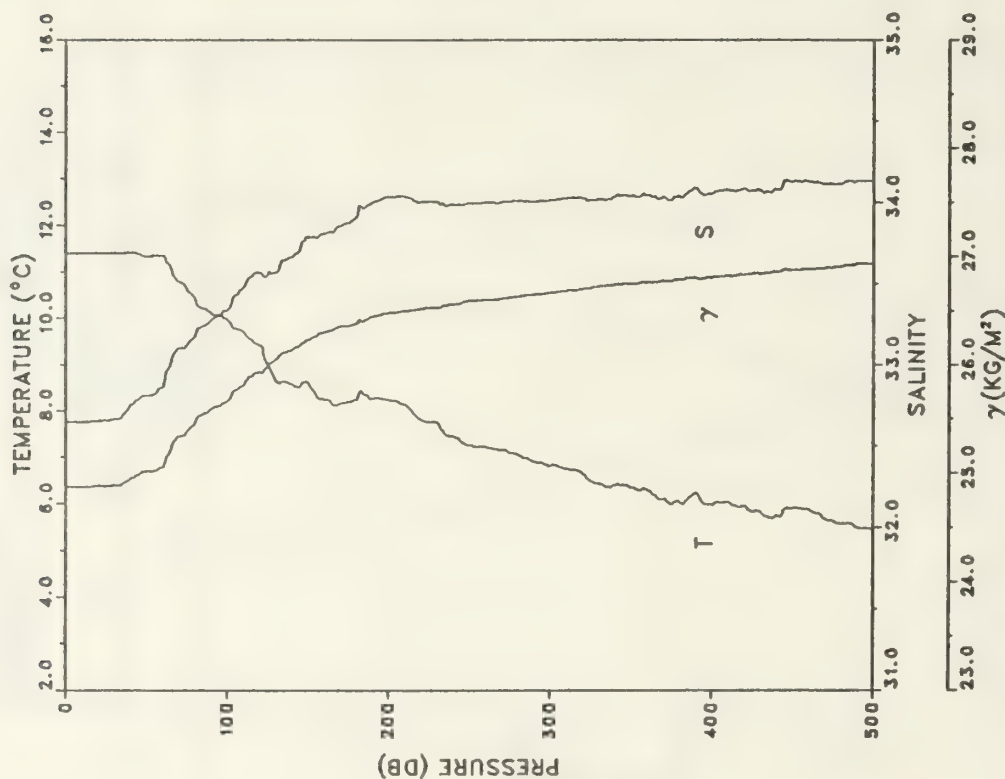
STATION: 70 LAT: 39 4.1 N LON: 124 25.5 W
DATE: 3/23/87 TIME: 0136Z



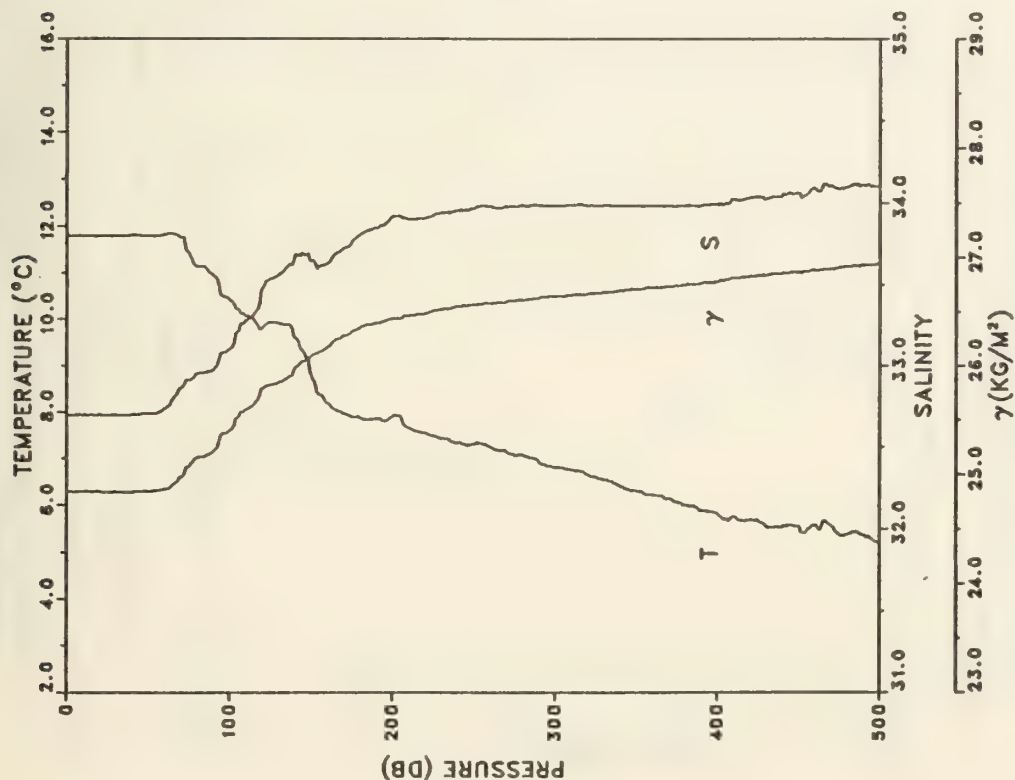
STATION: 73 LAT: 39 23.1 N LON: 124 38.2 W
 DATE: 3/23/87 TIME: 1211Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.360	32.727	24.942	300.3	0.000
5	11.362	32.724	24.939	300.6	0.012
10	11.360	32.725	24.941	300.6	0.027
16	11.375	32.727	24.939	300.9	0.045
20	11.376	32.730	24.942	300.8	0.057
26	11.373	32.734	24.945	300.5	0.075
31	11.362	32.757	24.965	298.7	0.090
36	11.332	32.777	24.986	296.9	0.105
41	11.278	32.803	25.016	294.1	0.120
46	11.252	32.823	25.036	292.3	0.134
50	11.072	32.898	25.127	283.8	0.146
60	10.497	33.109	25.392	258.7	0.173
71	9.827	33.267	25.628	236.4	0.200
80	9.311	33.459	25.862	214.2	0.221
91	8.975	33.535	25.975	203.7	0.244
101	9.223	33.673	26.044	197.4	0.264
126	8.589	33.773	26.222	180.8	0.311
151	8.191	33.851	26.343	169.6	0.355
175	8.119	33.934	26.419	162.8	0.395
200	7.732	33.959	26.496	155.8	0.434
226	7.546	33.993	26.549	151.1	0.474
250	7.513	34.051	26.600	146.7	0.510
276	7.262	34.061	26.643	142.9	0.548
301	6.784	34.027	26.682	139.3	0.583
325	6.424	34.004	26.711	136.6	0.616
350	6.212	34.023	26.754	132.7	0.650
375	5.893	34.024	26.795	128.9	0.682
401	5.757	34.045	26.828	125.9	0.716
426	5.830	34.105	26.867	122.7	0.747
450	5.723	34.134	26.903	119.5	0.776
476	5.587	34.155	26.936	116.5	0.806
500	5.267	34.156	26.975	112.8	0.834

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.390	32.645	24.873	306.9	0.000
5	11.390	32.644	24.872	307.0	0.012
10	11.390	32.645	24.873	307.1	0.028
16	11.394	32.648	24.875	307.0	0.046
20	11.395	32.651	24.877	306.9	0.058
26	11.396	32.655	24.880	306.8	0.077
31	11.396	32.667	24.889	306.0	0.092
35	11.396	32.676	24.896	305.4	0.104
40	11.414	32.736	24.939	301.4	0.119
45	11.385	32.782	24.980	297.6	0.134
51	11.329	32.807	25.010	294.9	0.152
61	11.343	32.868	25.055	290.8	0.181
71	10.770	33.101	25.338	264.1	0.209
80	10.453	33.171	25.447	253.8	0.233
91	10.090	33.280	25.594	240.0	0.260
100	9.975	33.338	25.659	234.0	0.281
125	8.993	33.552	25.986	203.3	0.336
151	8.577	33.784	26.232	180.3	0.386
176	8.183	33.872	26.361	168.4	0.429
200	8.231	34.034	26.481	157.4	0.468
226	7.755	34.005	26.529	153.2	0.509
250	7.258	33.993	26.590	147.5	0.545
276	7.087	34.003	26.622	144.8	0.583
301	6.824	34.011	26.664	141.0	0.618
325	6.490	34.011	26.708	136.9	0.652
350	6.349	34.039	26.749	133.3	0.686
376	6.008	34.022	26.779	130.5	0.720
400	5.978	34.050	26.805	128.4	0.751
426	5.842	34.073	26.840	125.2	0.784
450	5.912	34.127	26.874	122.4	0.814
475	5.624	34.112	26.898	120.2	0.844
500	5.465	34.132	26.933	117.0	0.874



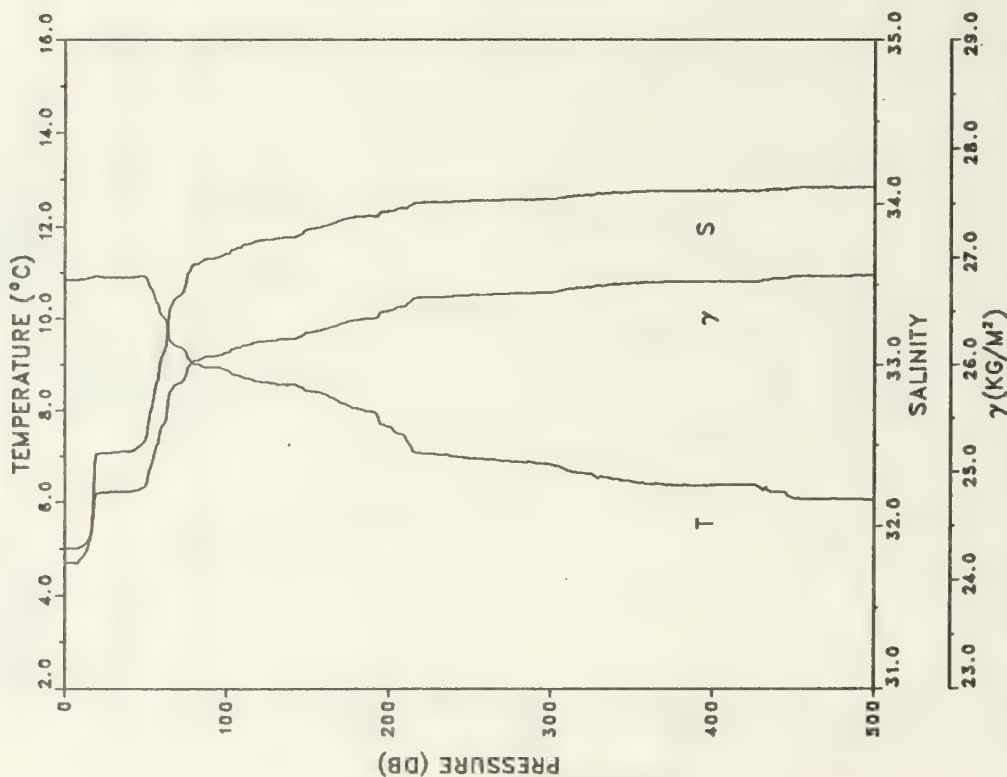
STATION: 74 LAT: 39 42.4 N LON: 124 50.6 W
DATE: 3/23/87 TIME: 1623Z



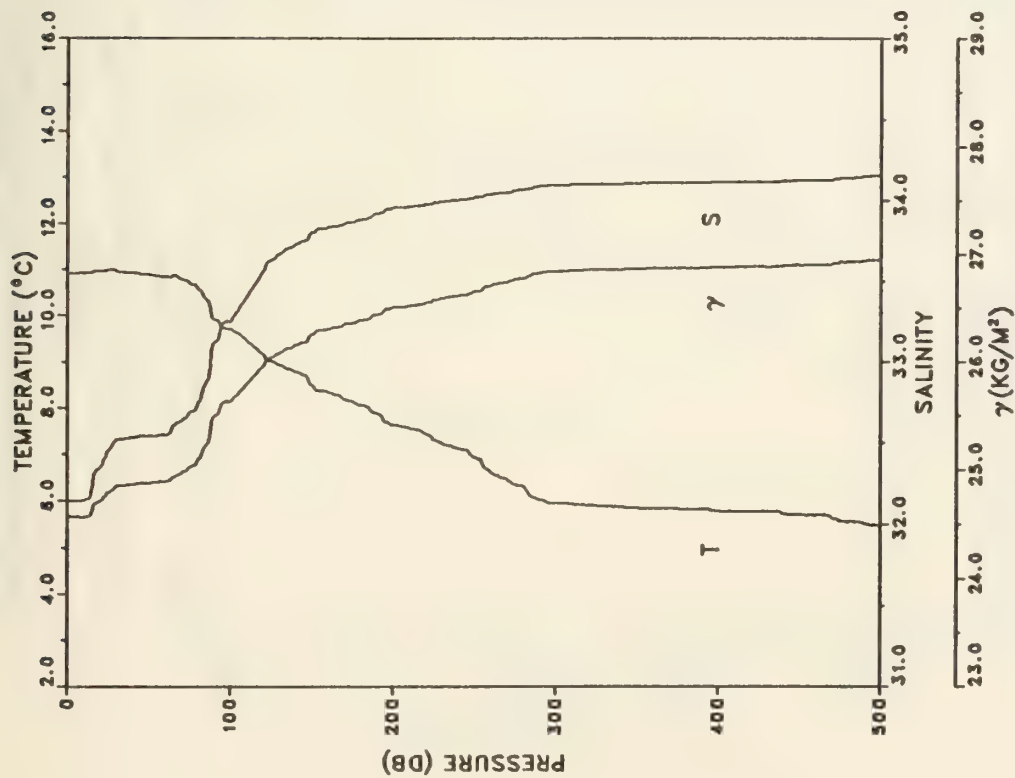
STATION: 76 LAT: 40 0.3 N LON: 125 4.2 W
 DATE: 3/24/87 TIME: 0230Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.789	32.695	24.839	310.1	0.000
5	11.790	32.694	24.838	310.3	0.012
10	11.786	32.695	24.840	310.3	0.028
15	11.792	32.697	24.840	310.3	0.043
20	11.795	32.697	24.839	310.5	0.059
26	11.799	32.696	24.838	310.8	0.078
31	11.798	32.696	24.838	310.9	0.093
35	11.799	32.696	24.838	311.0	0.106
40	11.802	32.697	24.838	311.0	0.121
46	11.796	32.702	24.843	310.7	0.140
50	11.792	32.702	24.844	310.7	0.152
60	11.820	32.733	24.863	309.1	0.183
71	11.756	32.868	24.979	298.3	0.217
81	11.143	32.952	25.156	281.6	0.246
91	10.928	32.978	25.214	276.2	0.273
100	10.416	33.101	25.399	258.8	0.298
126	9.937	33.539	25.822	219.0	0.360
151	8.727	33.648	26.102	192.6	0.411
175	7.891	33.755	26.312	172.8	0.455
201	7.922	33.920	26.437	161.4	0.498
225	7.484	33.926	26.505	155.2	0.536
250	7.314	33.970	26.564	150.0	0.575
275	7.075	33.977	26.603	146.5	0.612
301	6.820	33.984	26.643	142.9	0.649
325	6.600	33.983	26.672	140.4	0.683
351	6.306	33.984	26.711	136.8	0.719
375	6.070	33.984	26.741	134.1	0.752
401	5.800	33.990	26.780	130.6	0.786
425	5.687	34.039	26.832	125.8	0.817
450	5.565	34.061	26.864	123.0	0.848
475	5.377	34.084	26.905	119.2	0.878
500	5.193	34.103	26.942	115.8	0.908

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.843	31.772	24.291	362.4	0.000
6	10.844	31.770	24.289	362.6	0.018
10	10.856	31.795	24.306	361.0	0.033
15	10.882	31.880	24.368	355.3	0.051
20	10.926	32.444	24.799	314.3	0.067
26	10.891	32.449	24.809	313.5	0.086
31	10.892	32.452	24.811	313.3	0.102
35	10.900	32.457	24.814	313.2	0.114
41	10.902	32.460	24.816	313.1	0.133
46	10.923	32.487	24.833	311.6	0.149
50	10.913	32.531	24.869	308.2	0.161
61	10.047	33.066	25.435	254.6	0.192
71	9.390	33.427	25.825	217.7	0.216
80	9.012	33.624	26.039	197.4	0.234
91	8.944	33.659	26.077	194.0	0.256
100	8.879	33.689	26.111	190.9	0.273
125	8.609	33.777	26.222	180.8	0.320
151	8.419	33.842	26.302	173.6	0.366
176	8.076	33.914	26.410	163.7	0.408
201	7.634	33.955	26.507	154.8	0.448
226	7.051	34.007	26.630	143.3	0.485
251	6.943	34.016	26.652	141.5	0.521
276	6.886	34.023	26.665	140.6	0.556
301	6.821	34.026	26.676	139.8	0.591
325	6.610	34.050	26.723	135.6	0.624
350	6.453	34.071	26.761	132.3	0.657
375	6.372	34.077	26.776	131.1	0.690
401	6.375	34.078	26.776	131.4	0.724
426	6.384	34.078	26.775	131.9	0.757
451	6.090	34.098	26.829	126.9	0.790
476	6.085	34.098	26.829	127.1	0.821
500	6.061	34.099	26.833	127.0	0.852



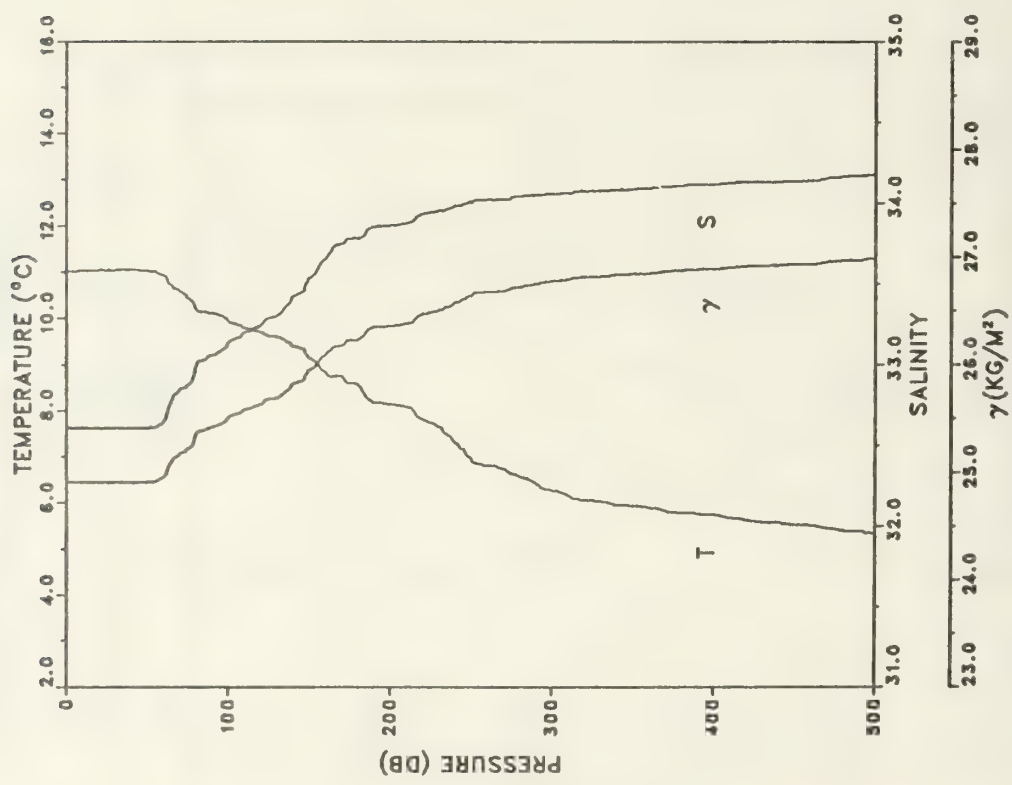
STATION: 77 LAT: 40 22.4 N LON: 124 34.5 W
 DATE: 3/24/87 TIME: 0653Z



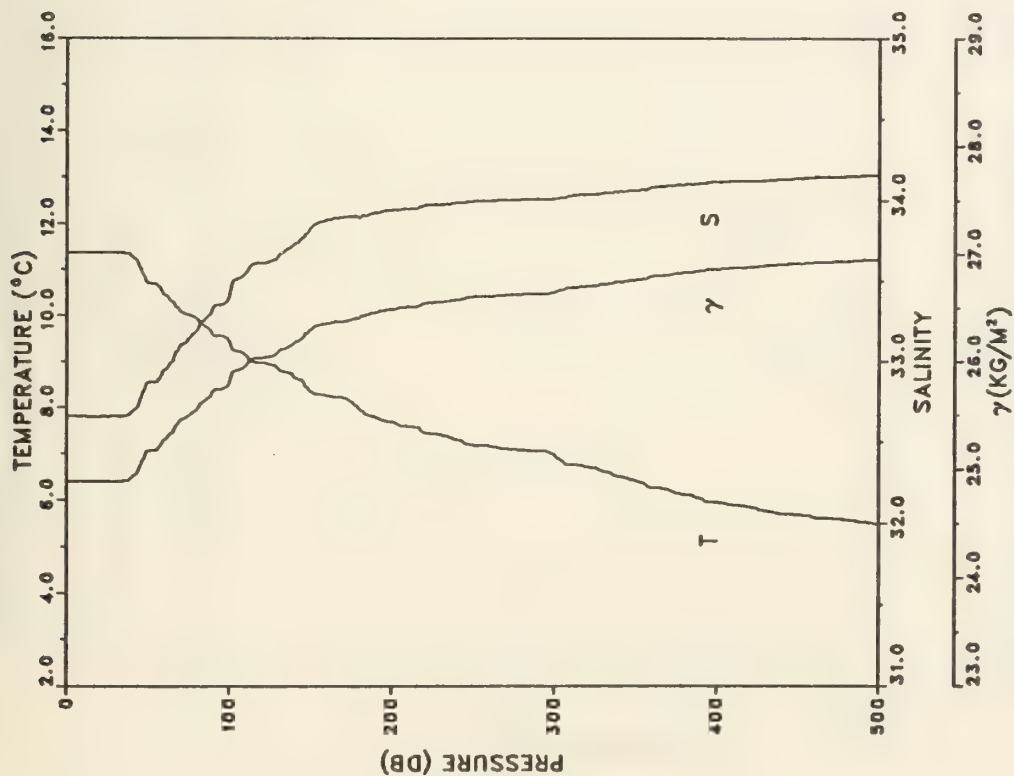
STATION: 771 LAT: 40 22.5 N LON: 124 43.5 W
DATE: 3/24/87 TIME: 0818Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.917	32.145	24.568	335.9	0.000
6	10.917	32.144	24.567	336.1	0.017
10	10.921	32.143	24.566	336.3	0.030
16	10.943	32.234	24.633	330.1	0.050
20	10.969	32.340	24.711	322.7	0.063
26	10.992	32.457	24.798	314.6	0.082
31	10.945	32.521	24.856	309.1	0.098
35	10.940	32.524	24.859	308.9	0.110
40	10.935	32.530	24.864	308.5	0.126
45	10.900	32.540	24.878	307.2	0.141
51	10.883	32.541	24.882	307.0	0.160
60	10.844	32.548	24.894	306.0	0.187
70	10.793	32.633	24.970	299.1	0.217
80	10.598	32.730	25.079	288.8	0.247
91	9.904	33.127	25.506	248.4	0.276
100	9.721	33.246	25.629	236.8	0.298
126	9.010	33.634	26.047	197.5	0.355
151	8.472	33.802	26.262	177.4	0.402
175	8.146	33.866	26.362	168.3	0.443
200	7.631	33.957	26.509	154.6	0.483
226	7.309	33.989	26.580	148.1	0.523
250	6.942	34.023	26.657	140.9	0.557
276	6.335	34.065	26.771	130.2	0.593
300	5.956	34.096	26.844	123.4	0.623
325	5.899	34.100	26.854	122.7	0.654
350	5.847	34.107	26.866	121.8	0.684
375	5.830	34.110	26.871	121.7	0.715
401	5.776	34.116	26.882	120.9	0.746
426	5.769	34.118	26.885	121.0	0.777
450	5.700	34.124	26.898	119.9	0.806
475	5.558	34.140	26.928	117.3	0.835
500	5.458	34.157	26.953	115.1	0.864

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.025	32.607	24.909	303.5	0.000
5	11.025	32.607	24.909	303.6	0.012
10	11.031	32.607	24.908	303.8	0.027
16	11.041	32.607	24.906	304.1	0.046
21	11.043	32.607	24.905	304.2	0.061
26	11.043	32.606	24.905	304.4	0.076
31	11.043	32.607	24.905	304.4	0.091
35	11.043	32.606	24.905	304.6	0.103
40	11.044	32.607	24.905	304.6	0.119
45	11.042	32.607	24.906	304.7	0.134
51	11.026	32.608	24.909	304.5	0.152
60	10.934	32.640	24.950	300.7	0.179
71	10.568	32.850	25.178	279.3	0.211
80	10.201	32.983	25.344	263.6	0.236
91	10.102	33.061	25.421	256.4	0.264
100	9.934	33.134	25.506	248.5	0.287
125	9.618	33.286	25.677	232.7	0.347
151	9.124	33.539	25.955	206.7	0.404
176	8.600	33.779	26.225	181.4	0.453
200	8.133	33.859	26.358	169.0	0.495
225	7.733	33.943	26.483	157.4	0.536
250	6.977	33.998	26.633	143.3	0.573
276	6.628	34.038	26.711	136.0	0.610
300	6.276	34.059	26.774	130.2	0.641
325	6.059	34.075	26.814	126.6	0.674
351	5.939	34.087	26.839	124.5	0.706
376	5.799	34.103	26.869	121.9	0.737
401	5.742	34.118	26.888	120.3	0.767
425	5.607	34.133	26.916	117.8	0.796
450	5.535	34.137	26.928	116.9	0.825
476	5.431	34.161	26.960	114.2	0.855
500	5.315	34.177	26.986	111.8	0.882

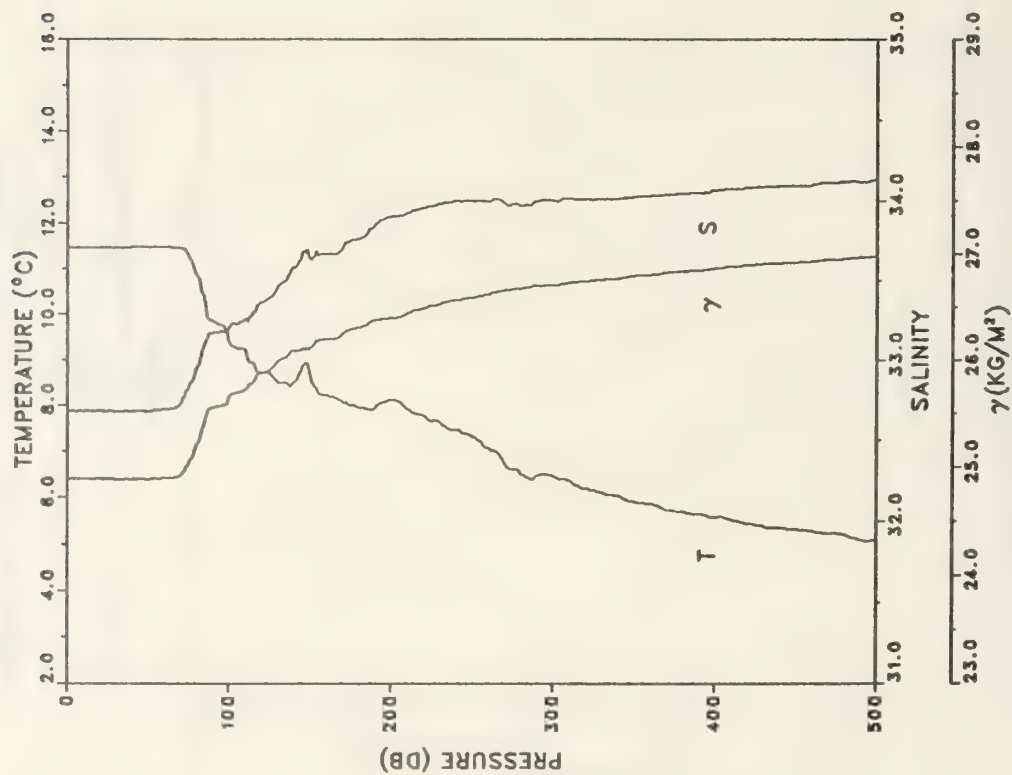


STATION: 772 LAT: 40 22.4 N LON: 124 53.8 W
 DATE: 3/24/87 TIME: 0936Z



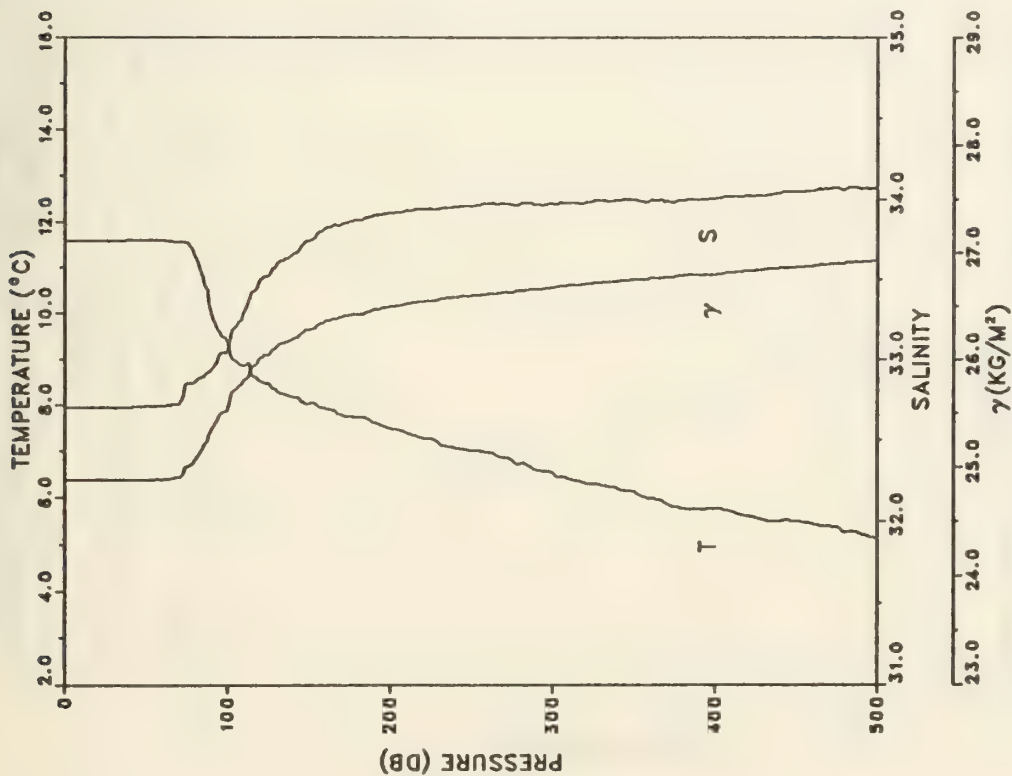
STATION: 78 LAT: 40 22.4 N LON: 125 3.7 W
 DATE: 3/24/87 TIME: 1048Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.358	32.858	24.889	305.4	0.000
5	11.358	32.658	24.889	305.5	0.012
11	11.359	32.658	24.889	305.6	0.031
15	11.357	32.656	24.887	305.8	0.043
20	11.356	32.657	24.888	305.8	0.058
26	11.358	32.657	24.888	306.0	0.076
31	11.362	32.658	24.888	306.1	0.092
36	11.352	32.661	24.892	305.8	0.107
40	11.298	32.679	24.916	303.6	0.119
46	10.976	32.776	25.049	291.1	0.137
51	10.705	32.869	25.169	279.7	0.151
61	10.431	32.950	25.279	269.4	0.179
71	10.074	33.104	25.460	252.4	0.205
80	9.940	33.188	25.548	244.2	0.227
91	9.564	33.347	25.734	226.7	0.253
100	9.446	33.404	25.798	220.8	0.273
126	8.930	33.624	26.052	197.0	0.328
151	8.316	33.840	26.316	172.3	0.374
175	8.114	33.902	26.395	165.1	0.414
201	7.681	33.942	26.490	156.4	0.456
225	7.427	33.974	26.551	150.8	0.493
250	7.175	33.997	26.605	146.0	0.530
276	7.085	34.005	26.623	144.6	0.568
300	6.960	34.011	26.645	142.8	0.602
325	6.698	34.039	26.703	137.6	0.637
350	6.413	34.062	26.759	132.4	0.671
376	6.143	34.095	26.820	126.8	0.705
401	5.946	34.116	26.861	123.0	0.736
426	5.791	34.122	26.885	121.0	0.766
450	5.685	34.134	26.908	119.0	0.795
476	5.588	34.147	26.930	117.1	0.826
500	5.473	34.158	26.952	115.2	0.854



PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.456	32.677	24.886	305.7	0.000
6	11.467	32.676	24.883	306.0	0.015
11	11.469	32.677	24.884	306.1	0.031
16	11.470	32.677	24.883	306.2	0.046
20	11.470	32.677	24.883	306.3	0.058
25	11.469	32.677	24.884	306.4	0.073
30	11.470	32.676	24.883	306.6	0.089
36	11.471	32.677	24.883	306.7	0.107
41	11.473	32.677	24.883	306.8	0.123
46	11.475	32.680	24.885	306.7	0.138
51	11.472	32.675	24.881	307.1	0.153
60	11.475	32.691	24.893	306.2	0.181
71	11.446	32.733	24.931	302.8	0.214
80	10.873	32.941	25.195	277.8	0.240
91	9.836	33.170	25.551	244.1	0.269
100	9.418	33.200	25.643	235.5	0.291
125	8.724	33.390	25.901	211.3	0.347
151	8.506	33.627	26.120	190.9	0.399
175	7.999	33.748	26.291	174.9	0.443
200	8.120	33.898	26.391	165.9	0.485
226	7.664	33.968	26.513	154.6	0.527
251	7.312	33.998	26.586	147.9	0.565
276	6.601	33.976	26.666	140.3	0.601
300	6.463	34.000	26.703	137.0	0.634
325	6.158	34.006	26.747	133.0	0.668
350	5.911	34.021	26.790	129.0	0.701
375	5.711	34.039	26.829	125.5	0.732
401	5.584	34.064	26.865	122.4	0.765
425	5.418	34.083	26.900	119.2	0.794
450	5.319	34.092	26.918	117.6	0.823
476	5.230	34.112	26.945	115.3	0.854
500	5.087	34.129	26.975	112.6	0.881

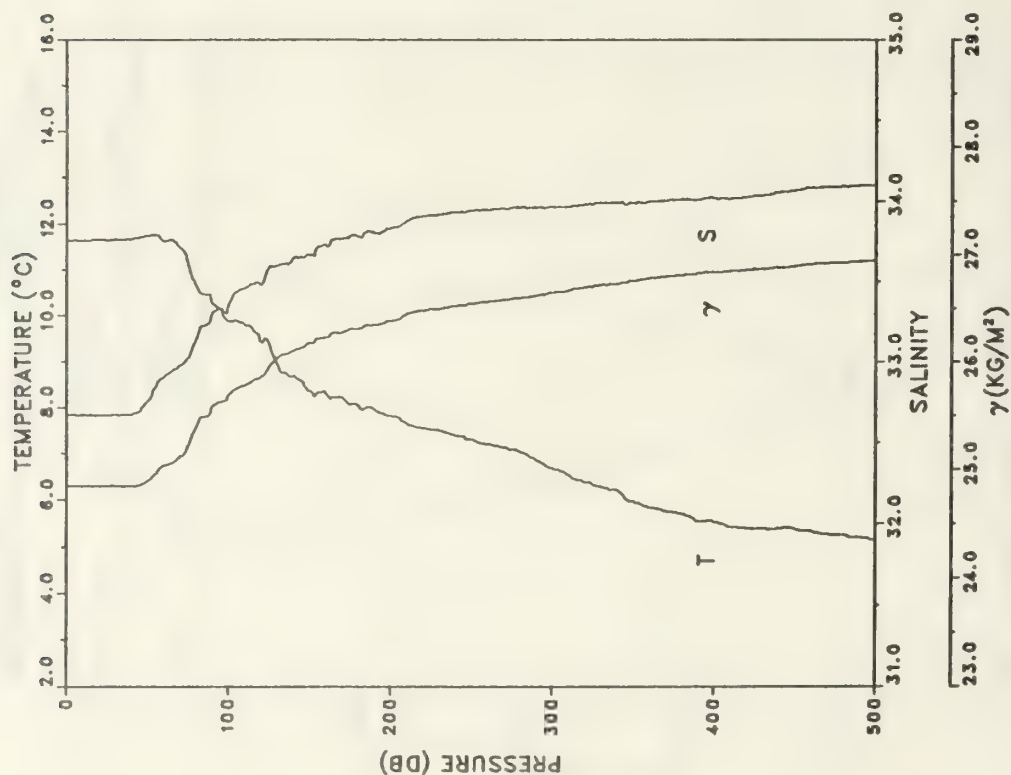
STATION: 781 LAT: 40 22.9 N LON: 125 12.5 W
 DATE: 3/24/87 TIME: 1211Z



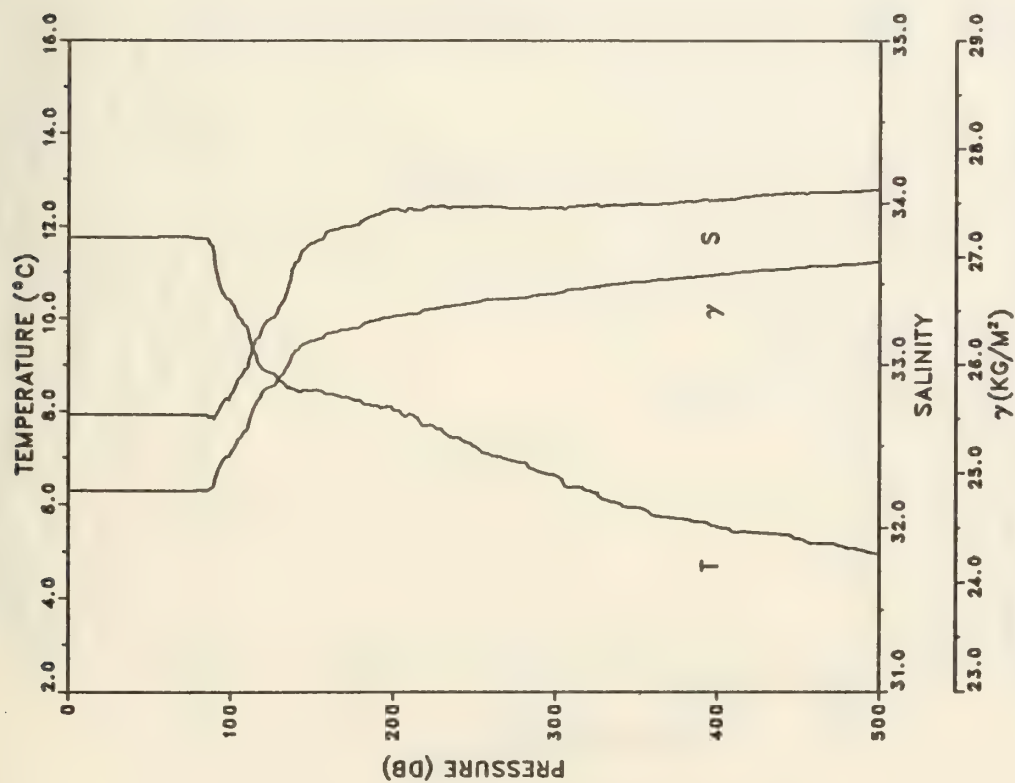
STATION: 782 LAT: 40 23.0 N LON: 125 20.8 W
 DATE: 3/24/87 TIME: 1323Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.578	32.699	24.881	306.1	0.000
6	11.580	32.697	24.879	306.4	0.015
11	11.585	32.697	24.878	306.6	0.031
16	11.587	32.698	24.878	306.7	0.046
21	11.586	32.697	24.878	306.9	0.061
26	11.586	32.697	24.878	307.0	0.077
31	11.592	32.696	24.876	307.2	0.092
35	11.593	32.699	24.878	307.1	0.104
40	11.598	32.701	24.879	307.2	0.120
45	11.603	32.704	24.880	307.1	0.135
51	11.607	32.707	24.882	307.1	0.153
60	11.603	32.707	24.882	307.2	0.181
71	11.574	32.725	24.902	305.6	0.215
81	11.201	32.867	25.080	288.9	0.245
91	9.932	32.944	25.359	262.4	0.272
100	9.405	33.050	25.527	246.4	0.295
125	8.474	33.522	26.043	197.8	0.350
150	8.039	33.740	26.279	175.7	0.397
176	7.750	33.862	26.417	162.9	0.441
200	7.494	33.916	26.496	155.7	0.479
225	7.278	33.941	26.547	151.2	0.518
250	7.022	33.960	26.597	146.7	0.555
276	6.789	33.965	26.632	143.6	0.593
301	6.510	33.972	26.675	139.7	0.628
325	6.302	33.989	26.715	136.1	0.661
351	6.118	33.996	26.745	133.5	0.696
375	5.794	33.984	26.776	130.6	0.728
401	5.774	34.006	26.795	129.1	0.762
425	5.563	34.021	26.833	125.6	0.792
450	5.499	34.048	26.862	123.1	0.823
475	5.365	34.073	26.898	119.9	0.854
500	5.126	34.070	26.924	117.5	0.883

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.644	32.669	24.845	309.5	0.000
6	11.643	32.667	24.844	309.7	0.015
10	11.640	32.667	24.845	309.8	0.028
16	11.645	32.667	24.844	310.0	0.046
21	11.646	32.666	24.843	310.2	0.062
26	11.644	32.667	24.844	310.2	0.077
31	11.657	32.668	24.842	310.4	0.093
36	11.658	32.670	24.844	310.4	0.109
41	11.673	32.674	24.844	310.5	0.124
45	11.698	32.686	24.849	310.1	0.136
51	11.743	32.763	24.900	305.4	0.155
61	11.620	32.910	25.037	292.6	0.185
70	11.493	32.972	25.108	286.0	0.211
80	10.678	33.129	25.376	260.6	0.238
91	10.242	33.312	25.594	240.1	0.266
101	9.879	33.372	25.701	230.0	0.289
125	9.399	33.581	25.944	207.4	0.342
151	8.333	33.665	26.176	185.5	0.393
176	8.079	33.787	26.310	173.2	0.438
200	7.820	33.829	26.381	166.7	0.478
226	7.521	33.911	26.488	156.8	0.520
250	7.304	33.941	26.543	152.0	0.558
276	7.083	33.961	26.589	147.8	0.597
301	6.666	33.960	26.645	142.7	0.633
325	6.340	33.978	26.702	137.4	0.666
351	5.960	33.988	26.758	132.1	0.701
376	5.729	34.009	26.803	128.0	0.734
401	5.529	34.018	26.835	125.1	0.766
426	5.388	34.034	26.864	122.5	0.797
450	5.375	34.063	26.889	120.5	0.826
475	5.250	34.087	26.923	117.4	0.855
500	5.140	34.097	26.943	115.6	0.885



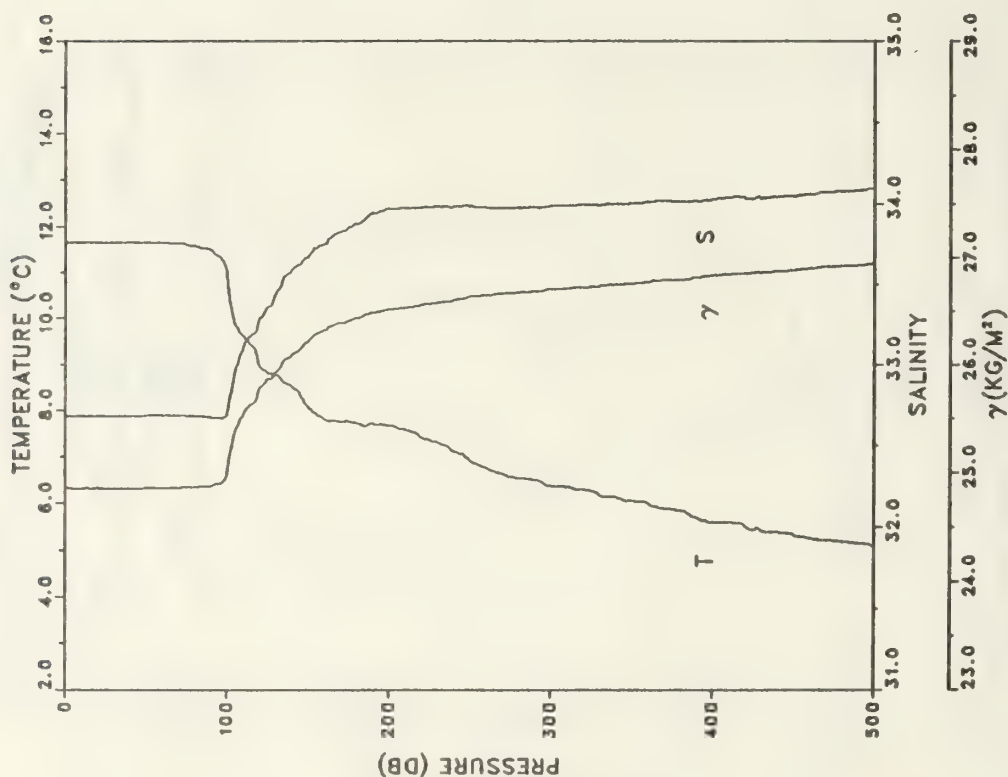
STATION: 79 LAT: 40 23.0 N LON: 125 28.9 W
DATE: 3/24/87 TIME: 1430Z



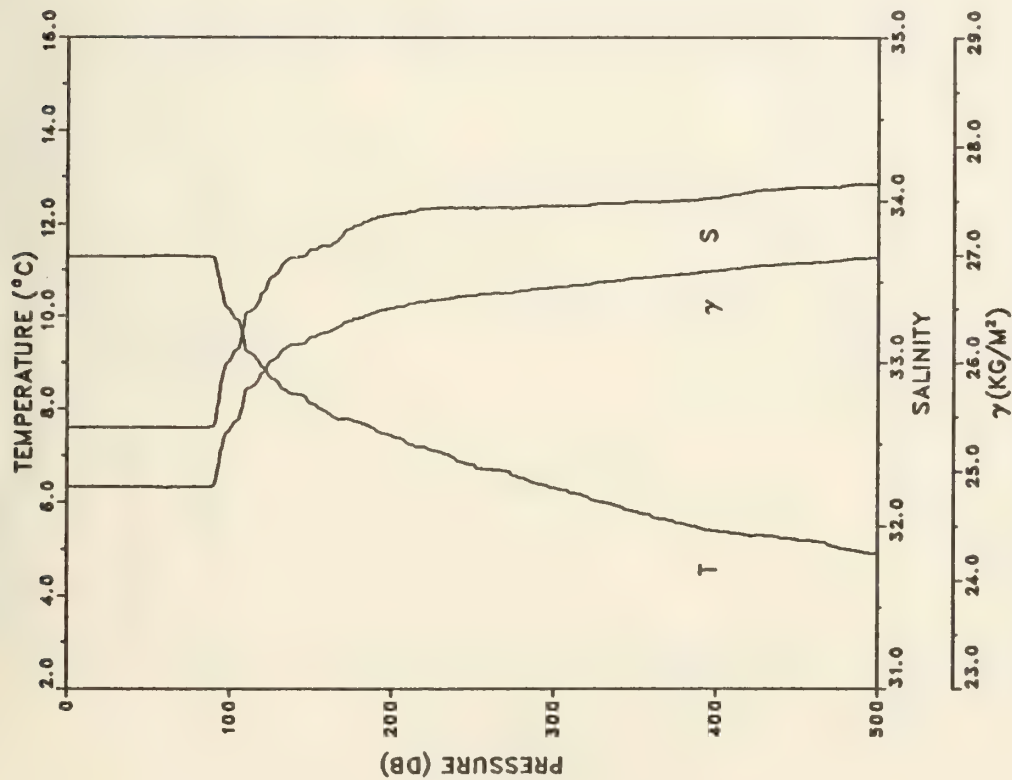
STATION: 80 LAT: 40 22.8 N LON: 125 39.9 W
 DATE: 3/24/87 TIME: 1553Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.757	32.694	24.844	309.6	0.000
6	11.760	32.693	24.843	309.9	0.015
11	11.761	32.694	24.843	309.9	0.031
15	11.759	32.694	24.844	310.0	0.043
20	11.761	32.694	24.843	310.1	0.059
26	11.761	32.694	24.843	310.2	0.077
30	11.762	32.693	24.842	310.4	0.090
36	11.762	32.693	24.842	310.5	0.109
40	11.761	32.693	24.843	310.6	0.121
45	11.763	32.693	24.842	310.8	0.136
50	11.763	32.693	24.842	310.9	0.152
61	11.767	32.693	24.842	311.2	0.186
70	11.766	32.693	24.842	311.3	0.214
81	11.737	32.692	24.846	311.1	0.248
91	11.091	32.682	24.955	300.9	0.279
100	10.379	32.811	25.180	279.6	0.305
126	8.826	33.292	25.808	220.1	0.370
151	8.458	33.755	26.228	180.7	0.420
176	8.246	33.865	26.346	169.8	0.464
201	8.020	33.963	26.457	159.7	0.505
225	7.664	33.979	26.521	153.8	0.543
251	7.231	33.973	26.580	148.5	0.582
276	6.913	33.967	26.617	145.1	0.619
300	6.624	33.974	26.661	141.1	0.653
325	6.247	33.992	26.725	135.2	0.688
350	5.932	33.994	26.766	131.3	0.721
376	5.700	34.007	26.805	127.8	0.755
400	5.516	34.018	26.836	125.0	0.785
426	5.393	34.049	26.876	121.5	0.817
450	5.267	34.061	26.900	119.3	0.846
475	5.123	34.068	26.922	117.3	0.876
500	4.933	34.080	26.954	114.4	0.905

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.645	32.681	24.855	308.6	0.000
5	11.647	32.680	24.853	308.8	0.012
10	11.646	32.680	24.854	308.9	0.028
15	11.647	32.679	24.853	309.1	0.043
20	11.645	32.680	24.854	309.1	0.059
25	11.647	32.680	24.853	309.3	0.074
31	11.646	32.679	24.853	309.4	0.093
35	11.647	32.680	24.853	309.5	0.105
41	11.648	32.680	24.853	309.6	0.124
46	11.648	32.679	24.852	309.8	0.139
51	11.653	32.682	24.854	309.8	0.155
60	11.650	32.685	24.857	309.7	0.183
71	11.631	32.685	24.860	309.6	0.217
80	11.578	32.680	24.866	309.2	0.244
90	11.493	32.672	24.875	308.5	0.275
100	11.050	32.685	24.965	300.2	0.306
125	8.818	33.358	25.861	215.0	0.370
150	8.090	33.666	26.213	181.9	0.420
176	7.756	33.854	26.410	163.6	0.465
201	7.675	33.970	26.513	154.2	0.504
225	7.361	33.978	26.564	149.6	0.541
251	6.891	33.986	26.635	143.0	0.579
276	6.568	33.972	26.667	140.1	0.614
301	6.376	33.986	26.703	136.9	0.649
326	6.257	33.993	26.724	135.2	0.683
351	6.051	34.001	26.757	132.3	0.716
376	5.865	34.013	26.790	129.4	0.749
401	5.601	34.029	26.835	125.2	0.781
425	5.431	34.032	26.858	123.2	0.811
450	5.345	34.046	26.879	121.4	0.841
475	5.209	34.074	26.917	117.9	0.871
500	5.090	34.092	26.945	115.4	0.900



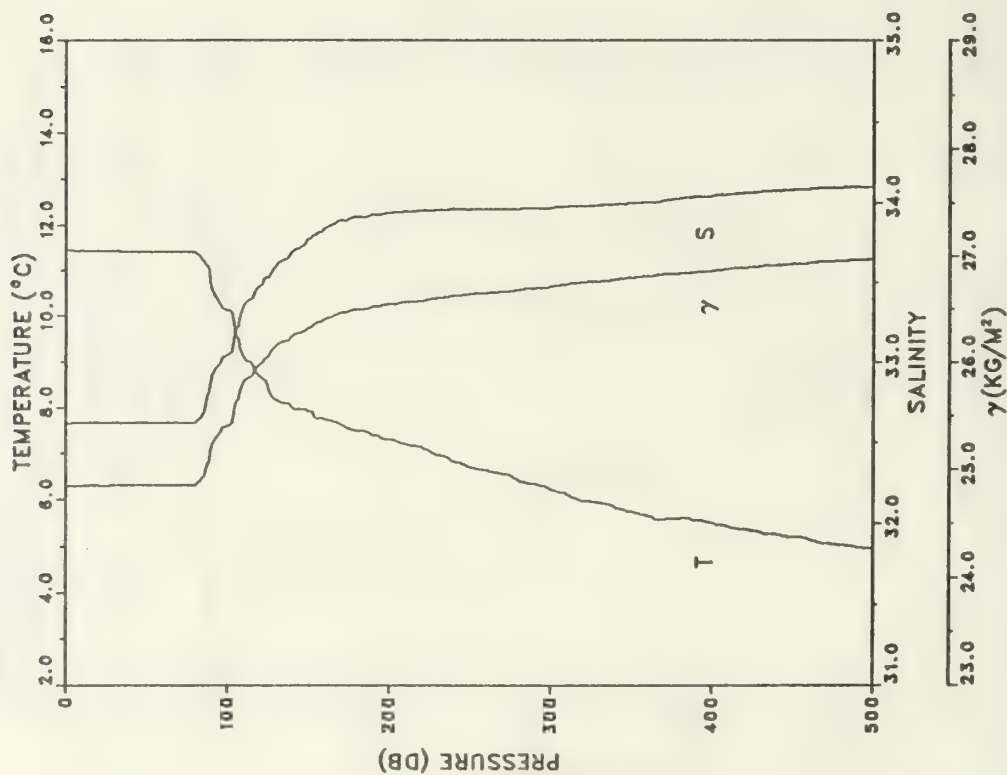
STATION: 81 LAT: 40 22.5 N LONG: 125 50.1 W
DATE: 3/24/87 TIME: 1711Z



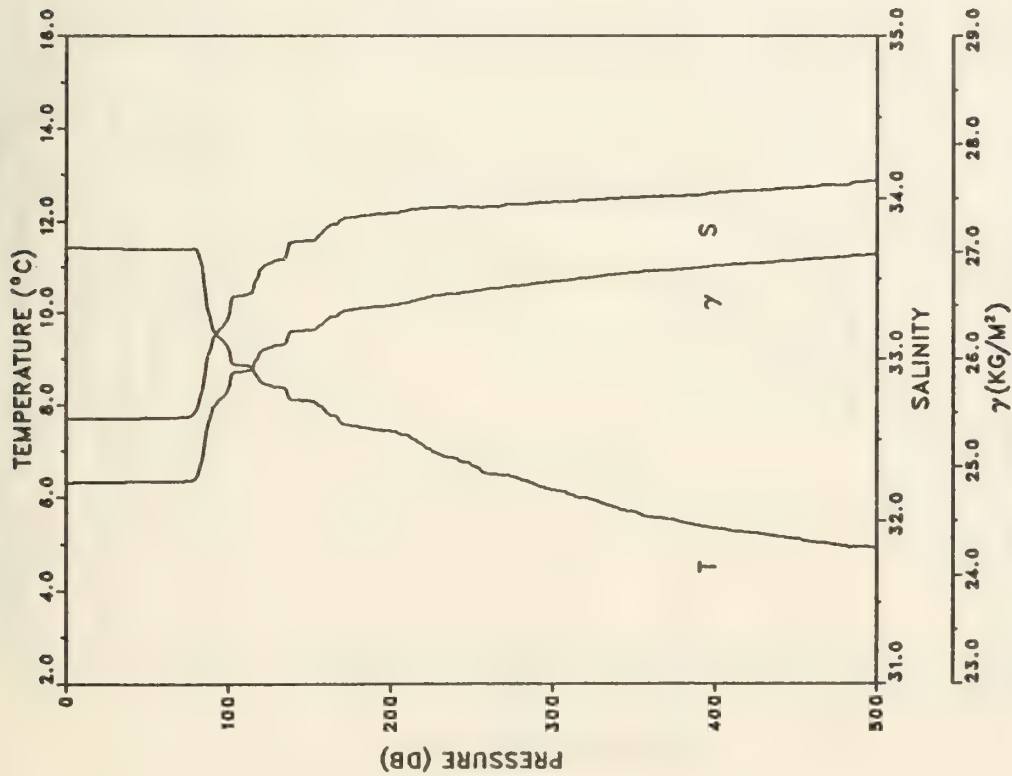
STATION: 82 LAT: 40 23.0 N LON: 125 59.4 W
DATE: 3/24/87 TIME: 1830Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.301	32.600	24.854	308.7	0.000
5	11.301	32.600	24.854	308.8	0.012
10	11.301	32.600	24.854	308.9	0.028
15	11.301	32.600	24.854	309.0	0.043
20	11.301	32.600	24.854	309.1	0.059
25	11.301	32.600	24.854	309.2	0.074
30	11.301	32.600	24.854	309.3	0.090
35	11.301	32.600	24.854	309.4	0.105
40	11.301	32.600	24.854	309.5	0.121
45	11.301	32.600	24.854	309.6	0.136
50	11.301	32.600	24.854	309.7	0.152
61	11.303	32.600	24.854	310.0	0.186
71	11.302	32.600	24.854	310.2	0.217
81	11.297	32.602	24.856	310.1	0.248
91	11.250	32.618	24.877	308.3	0.279
100	10.136	33.012	25.377	260.8	0.304
125	8.686	33.524	26.012	200.7	0.362
151	8.104	33.699	26.237	179.7	0.411
175	7.767	33.829	26.389	165.6	0.453
200	7.434	33.917	26.505	154.8	0.493
225	7.116	33.954	26.579	148.1	0.531
250	6.814	33.959	26.624	144.0	0.567
276	6.568	33.958	26.656	141.2	0.604
301	6.294	33.969	26.701	137.2	0.639
325	6.034	33.979	26.742	133.4	0.671
350	5.803	33.996	26.784	129.6	0.704
375	5.567	33.999	26.815	126.7	0.736
401	5.386	34.019	26.853	123.3	0.769
426	5.300	34.063	26.898	119.3	0.799
450	5.195	34.080	26.923	117.0	0.828
476	5.038	34.084	26.945	115.1	0.858
500	4.911	34.099	26.971	112.7	0.885

PRESS	TEMP	SAL	DENSITY ANOM'ALY	SVA	SUM DYN
1	11.443	32.618	24.842	309.8	0.000
5	11.438	32.620	24.845	309.6	0.012
11	11.438	32.621	24.846	309.7	0.031
16	11.435	32.621	24.846	309.8	0.046
20	11.436	32.621	24.846	309.9	0.059
26	11.436	32.620	24.845	310.1	0.077
31	11.424	32.620	24.847	310.0	0.093
35	11.419	32.620	24.848	309.9	0.105
41	11.415	32.619	24.848	310.1	0.124
46	11.416	32.619	24.848	310.2	0.139
50	11.413	32.619	24.849	310.2	0.152
61	11.410	32.619	24.849	310.4	0.186
70	11.411	32.620	24.850	310.5	0.214
80	11.401	32.622	24.853	310.4	0.245
91	10.563	32.918	25.231	274.6	0.277
101	10.127	33.049	25.408	257.9	0.304
126	8.398	33.527	26.058	196.3	0.361
151	7.930	33.774	26.322	171.6	0.407
175	7.544	33.900	26.476	157.2	0.446
201	7.304	33.936	26.539	151.6	0.486
226	7.016	33.949	26.589	147.1	0.523
250	6.702	33.957	26.638	142.7	0.558
276	6.503	33.960	26.666	140.2	0.595
301	6.220	33.970	26.711	136.1	0.630
325	5.963	33.981	26.752	132.4	0.662
350	5.749	33.997	26.791	128.8	0.694
375	5.592	34.019	26.828	125.5	0.726
401	5.486	34.042	26.859	122.8	0.759
426	5.339	34.065	26.895	119.6	0.789
450	5.205	34.078	26.921	117.3	0.817
475	5.048	34.090	26.948	114.8	0.846
500	4.953	34.097	26.965	113.4	0.875

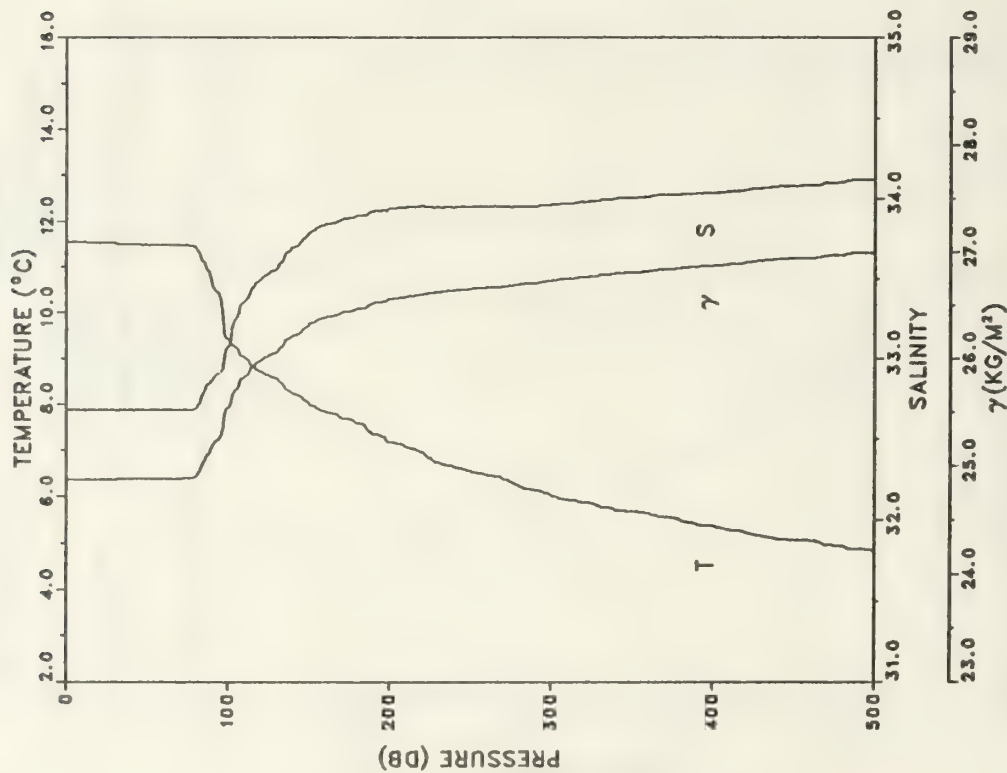


STATION: 83 LAT: 40 23.5 N LON: 126 8.6 W
DATE: 3/24/87 TIME: 1941Z



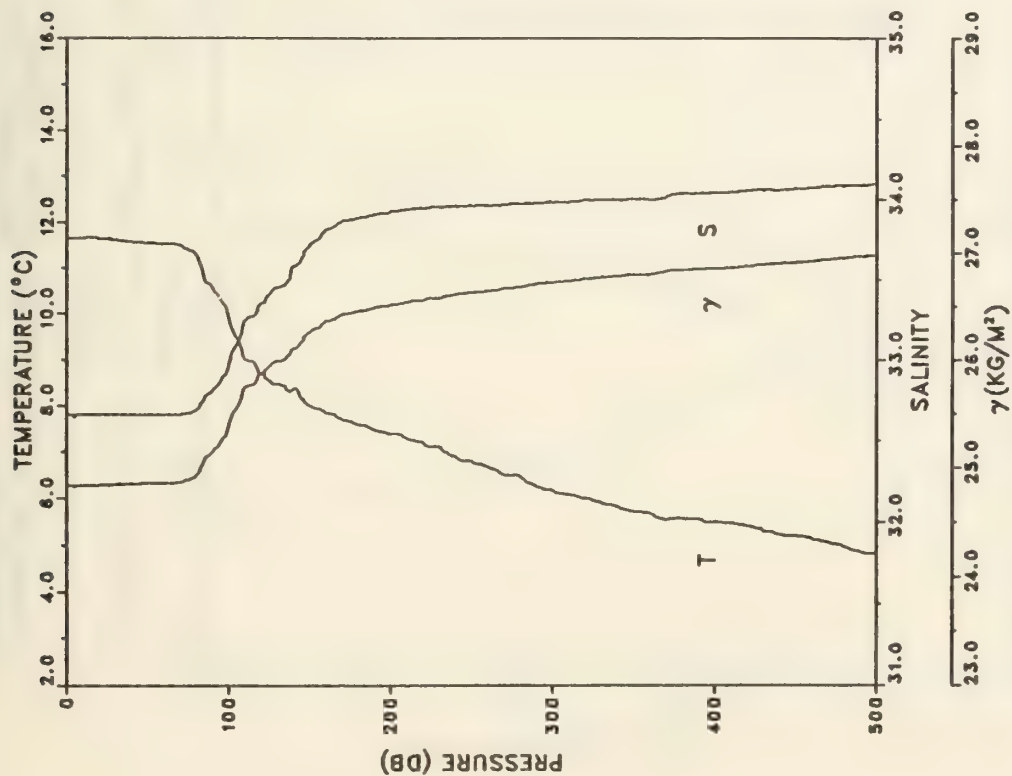
STATION: 84 LAT: 40 15.6 N LON: 126 8.5 W
 DATE: 3/24/87 TIME: 2048Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.437	32.630	24.853	308.8	0.000
6	11.422	32.631	24.856	308.6	0.015
11	11.420	32.629	24.855	308.8	0.031
15	11.414	32.632	24.859	308.6	0.043
20	11.415	32.630	24.857	308.8	0.059
26	11.411	32.631	24.858	308.8	0.077
31	11.410	32.631	24.858	308.9	0.093
35	11.403	32.631	24.860	308.9	0.105
40	11.392	32.632	24.862	308.7	0.120
46	11.392	32.633	24.863	308.7	0.139
50	11.392	32.633	24.863	308.8	0.151
60	11.393	32.634	24.864	309.0	0.182
71	11.393	32.638	24.867	308.9	0.216
81	11.360	32.696	24.918	304.3	0.247
91	9.615	33.129	25.555	243.6	0.274
100	9.227	33.264	25.723	227.8	0.295
126	8.428	33.599	26.110	191.4	0.350
151	8.090	33.738	26.270	176.6	0.396
176	7.554	33.884	26.462	158.5	0.438
200	7.437	33.908	26.498	155.5	0.475
225	7.014	33.942	26.584	147.6	0.513
251	6.675	33.944	26.631	143.3	0.551
276	6.440	33.964	26.678	139.1	0.586
300	6.164	33.978	26.724	134.8	0.619
325	5.936	33.990	26.763	131.4	0.653
351	5.685	34.003	26.804	127.6	0.686
375	5.510	34.013	26.833	125.0	0.717
401	5.334	34.034	26.871	121.6	0.749
426	5.235	34.048	26.893	119.6	0.779
451	5.112	34.064	26.920	117.2	0.808
475	4.982	34.080	26.948	114.7	0.836
500	4.906	34.110	26.980	111.9	0.865



STATION: 85 LAT: 40 8.4 N LON: 126 8.6 W
 DATE: 3/24/87 TIME: 2206Z

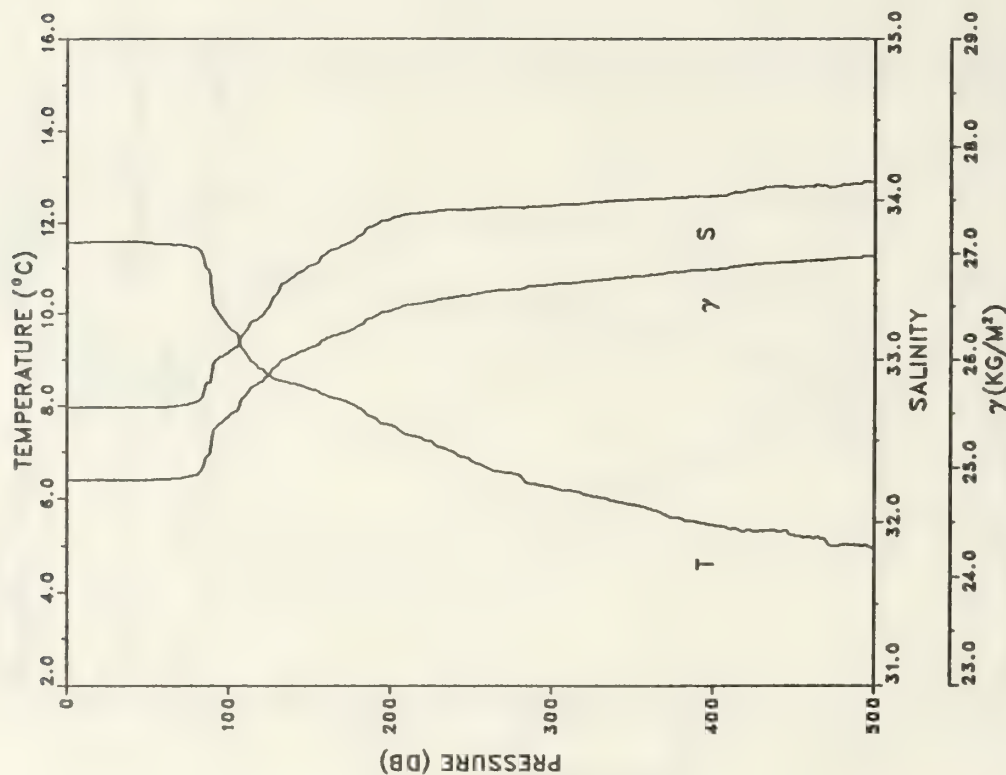
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.545	32.679	24.871	307.0	0.000
6	11.547	32.678	24.870	307.3	0.015
10	11.544	32.678	24.871	307.3	0.028
16	11.531	32.678	24.873	307.2	0.046
20	11.528	32.677	24.873	307.3	0.058
26	11.528	32.678	24.874	307.4	0.077
30	11.528	32.678	24.874	307.4	0.089
35	11.505	32.677	24.877	307.2	0.104
40	11.503	32.678	24.878	307.2	0.120
46	11.490	32.677	24.880	307.2	0.138
51	11.485	32.677	24.881	307.2	0.154
60	11.482	32.678	24.882	307.3	0.181
70	11.480	32.678	24.882	307.4	0.212
80	11.446	32.686	24.895	306.5	0.243
91	10.600	32.868	25.186	278.9	0.275
100	9.429	33.073	25.542	245.1	0.298
125	8.634	33.528	26.023	199.7	0.354
150	8.030	33.775	26.308	172.9	0.401
175	7.674	33.878	26.440	160.6	0.442
200	7.178	33.938	26.558	149.7	0.481
225	6.825	33.949	26.615	144.5	0.518
251	6.538	33.950	26.654	141.1	0.555
276	6.301	33.947	26.682	138.6	0.590
300	6.024	33.959	26.727	134.5	0.623
325	5.860	33.982	26.766	131.0	0.656
350	5.687	34.004	26.805	127.5	0.688
376	5.542	34.023	26.837	124.6	0.721
401	5.348	34.034	26.869	121.7	0.752
426	5.185	34.060	26.909	118.1	0.782
451	5.061	34.078	26.937	115.6	0.811
476	4.948	34.098	26.966	113.0	0.840
500	4.832	34.117	26.994	110.5	0.866



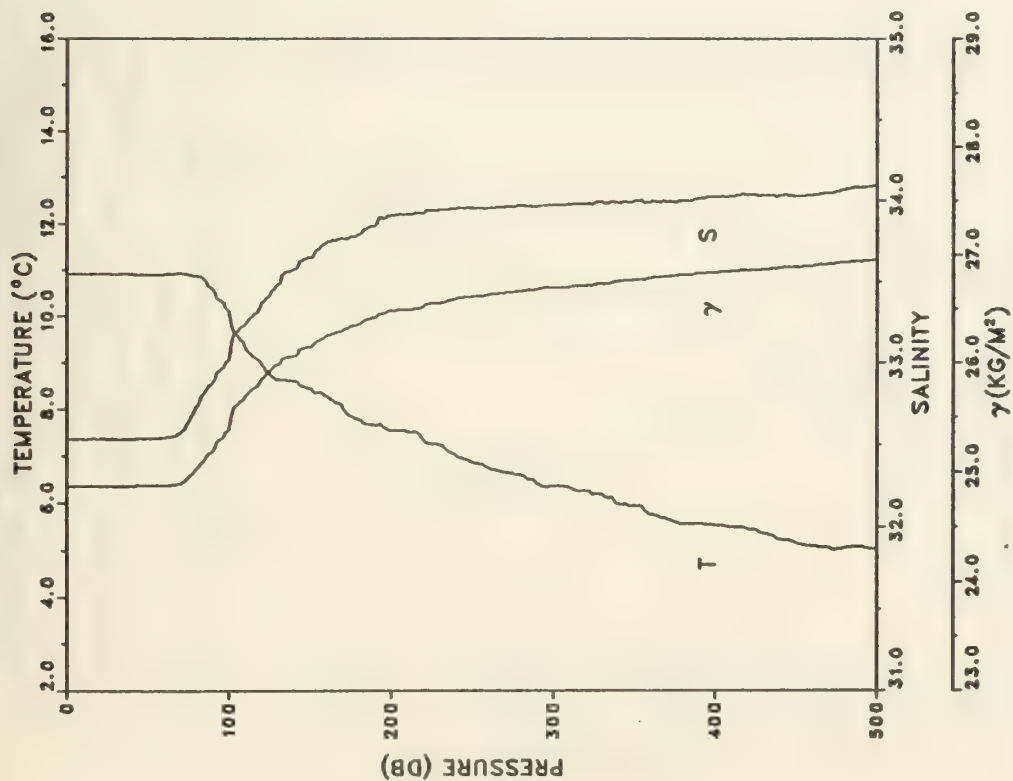
STATION: 86 LAT: 40 30.5 N LON: 126 8.8 W
 DATE: 3/25/87 TIME: 0118Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.660	32.658	24.834	310.6	0.000
5	11.660	32.640	24.820	312.0	0.012
11	11.660	32.658	24.834	310.8	0.031
16	11.662	32.658	24.834	311.0	0.047
20	11.640	32.657	24.837	310.7	0.059
26	11.650	32.658	24.836	311.0	0.078
31	11.611	32.659	24.844	310.3	0.093
35	11.594	32.660	24.848	310.0	0.106
41	11.569	32.660	24.852	309.7	0.124
46	11.560	32.660	24.854	309.7	0.140
50	11.547	32.660	24.856	309.5	0.152
60	11.534	32.660	24.859	309.5	0.183
70	11.493	32.662	24.868	308.9	0.214
81	11.217	32.699	24.946	301.6	0.248
91	10.517	32.818	25.161	281.2	0.277
101	9.756	33.004	25.434	255.3	0.304
126	8.525	33.418	25.953	206.3	0.361
150	8.002	33.713	26.263	177.1	0.407
176	7.662	33.873	26.438	160.9	0.451
200	7.401	33.927	26.518	153.6	0.489
226	7.124	33.952	26.576	148.3	0.528
250	6.789	33.959	26.628	143.7	0.563
276	6.505	33.974	26.677	139.2	0.600
301	6.161	33.982	26.728	134.5	0.634
325	5.958	33.998	26.766	131.0	0.666
350	5.721	34.003	26.800	128.0	0.698
376	5.569	34.034	26.843	124.1	0.731
401	5.502	34.042	26.857	123.0	0.762
426	5.361	34.062	26.890	120.1	0.793
451	5.195	34.066	26.912	118.1	0.822
476	5.017	34.085	26.948	114.8	0.851
500	4.819	34.095	26.978	112.0	0.879

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.570	32.706	24.888	305.5	0.000
6	11.566	32.705	24.888	305.6	0.015
10	11.574	32.705	24.886	305.8	0.028
16	11.576	32.705	24.886	306.0	0.046
20	11.577	32.705	24.836	306.1	0.058
26	11.581	32.705	24.885	306.3	0.076
31	11.579	32.705	24.885	306.4	0.092
35	11.580	32.704	24.884	306.5	0.104
41	11.579	32.704	24.885	306.6	0.122
46	11.578	32.705	24.885	306.7	0.138
50	11.557	32.704	24.889	306.4	0.150
61	11.529	32.706	24.895	306.0	0.184
71	11.512	32.713	24.904	305.4	0.214
80	11.450	32.737	24.934	302.8	0.242
91	10.179	32.973	25.340	264.2	0.273
100	9.712	33.041	25.471	251.9	0.296
125	8.659	33.325	25.860	215.1	0.354
151	8.344	33.590	26.116	191.2	0.407
175	8.051	33.733	26.272	176.8	0.451
200	7.587	33.880	26.455	159.7	0.493
226	7.218	33.923	26.540	151.8	0.534
251	6.803	33.941	26.612	145.2	0.571
276	6.539	33.954	26.657	141.1	0.607
301	6.230	33.968	26.708	136.4	0.642
326	6.049	33.986	26.745	133.1	0.675
351	5.867	34.004	26.782	129.8	0.708
375	5.601	34.016	26.825	125.9	0.739
401	5.438	34.026	26.852	123.4	0.771
426	5.297	34.064	26.899	119.2	0.802
450	5.229	34.082	26.921	117.3	0.830
475	4.996	34.084	26.950	114.6	0.859
500	4.940	34.112	26.978	112.1	0.887



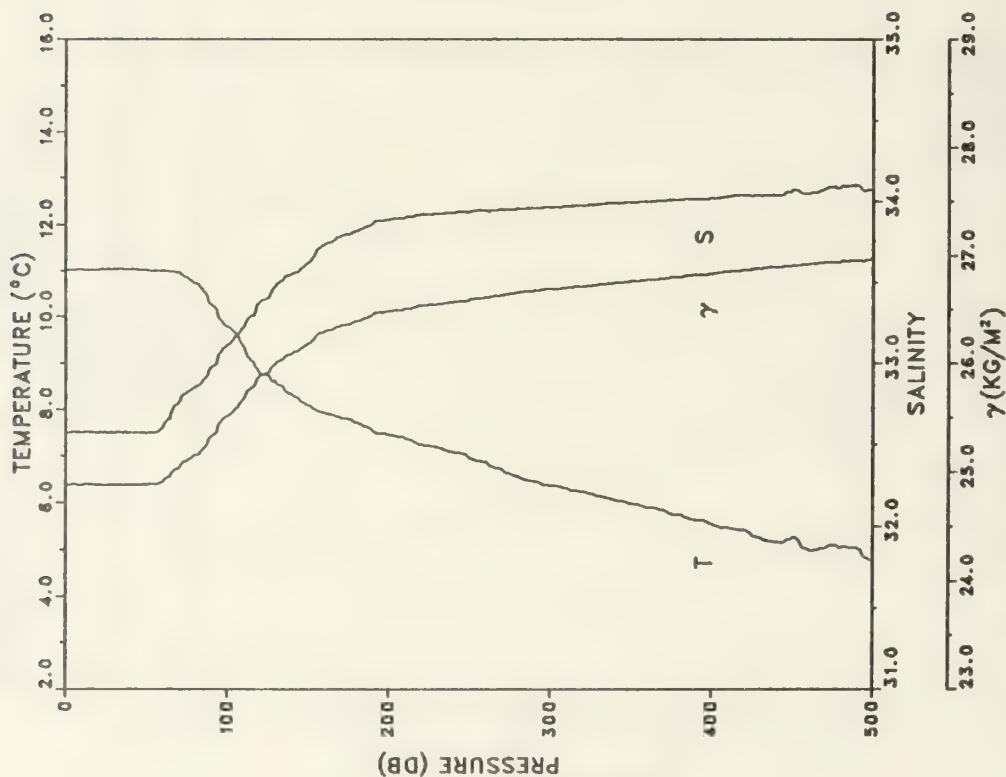
STATION: 87 LAT: 40 38.5 N LON: 126 9.7 W
 DATE: 3/25/87 TIME: 0253Z



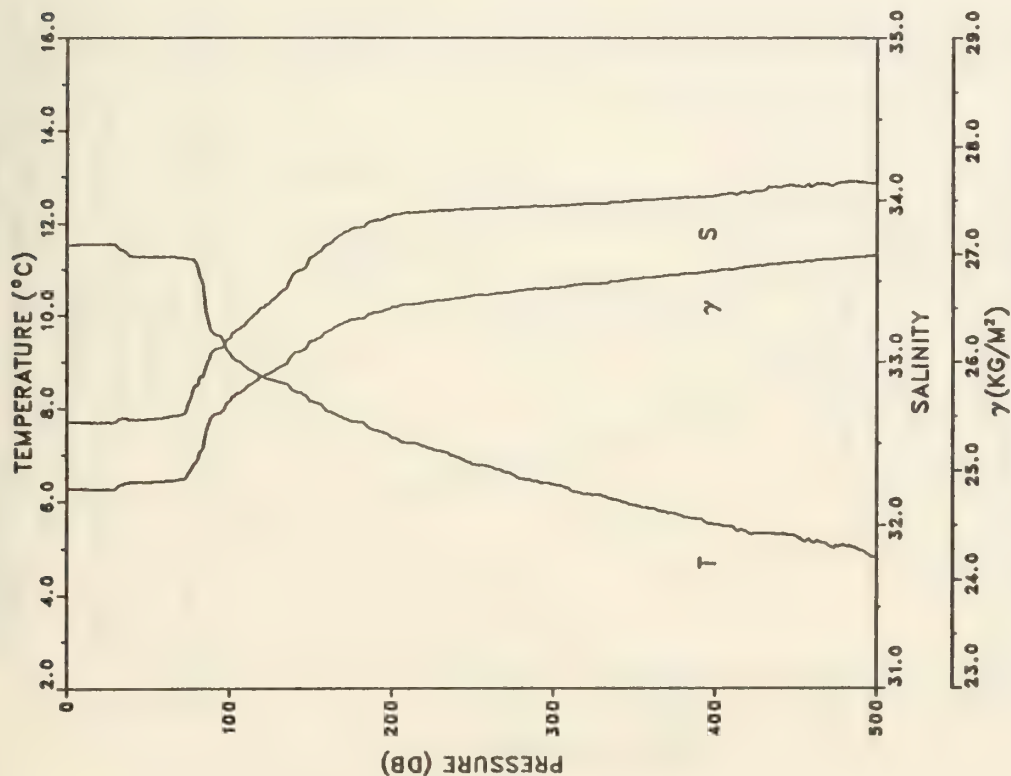
STATION: 88 LAT: 40 45.1 N LON: 126 10.2 W
 DATE: 3/25/87 TIME: 0418Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.913	32.532	24.870	307.2	0.000
5	10.912	32.533	24.871	307.2	0.012
10	10.920	32.534	24.870	307.3	0.028
15	10.920	32.534	24.870	307.4	0.043
20	10.921	32.534	24.870	307.5	0.058
26	10.920	32.534	24.870	307.6	0.077
31	10.920	32.534	24.870	307.7	0.092
36	10.920	32.533	24.869	307.9	0.108
41	10.918	32.534	24.871	307.9	0.123
45	10.897	32.537	24.877	307.4	0.135
50	10.900	32.538	24.877	307.5	0.151
60	10.903	32.543	24.880	307.4	0.181
71	10.927	32.579	24.904	305.3	0.215
80	10.876	32.730	25.031	293.5	0.242
91	10.549	32.883	25.207	276.9	0.273
100	10.106	33.017	25.386	259.9	0.298
125	8.752	33.413	25.515	210.0	0.356
151	8.435	33.650	26.149	188.1	0.408
176	7.849	33.777	26.336	170.6	0.453
200	7.547	33.909	26.483	157.0	0.492
226	7.257	33.940	26.548	151.0	0.532
250	6.864	33.932	26.612	145.2	0.568
276	6.614	33.962	26.653	141.5	0.605
301	6.360	33.972	26.695	137.8	0.640
325	6.198	33.985	26.726	135.0	0.673
350	5.944	33.999	26.769	131.1	0.706
375	5.598	33.990	26.804	127.8	0.738
401	5.532	34.021	26.837	125.0	0.771
425	5.433	34.036	26.861	122.9	0.801
450	5.153	34.029	26.888	120.3	0.831
475	5.023	34.057	26.925	116.9	0.861
500	5.023	34.090	26.951	114.7	0.890

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.022	32.573	24.883	306.0	0.000
5	11.026	32.574	24.883	306.0	0.012
10	11.028	32.573	24.882	306.3	0.028
15	11.023	32.573	24.882	306.3	0.043
20	11.022	32.573	24.883	306.4	0.058
25	11.030	32.573	24.881	306.6	0.073
31	11.029	32.573	24.881	306.7	0.092
35	11.029	32.573	24.881	306.8	0.104
40	11.030	32.573	24.881	306.9	0.120
45	11.020	32.571	24.881	307.0	0.135
51	11.000	32.572	24.886	306.7	0.153
60	10.997	32.596	24.905	305.0	0.181
70	10.964	32.749	25.030	293.4	0.211
80	10.733	32.851	25.150	282.1	0.239
91	10.241	32.975	25.331	265.1	0.270
100	9.776	33.111	25.515	247.7	0.293
126	8.715	33.407	25.916	209.9	0.352
150	8.086	33.622	26.179	185.1	0.400
176	7.792	33.797	26.360	168.3	0.445
200	7.454	33.887	26.479	157.3	0.485
225	7.218	33.922	26.540	151.8	0.523
251	6.948	33.939	26.590	147.3	0.562
276	6.607	33.950	26.645	142.3	0.598
301	6.369	33.964	26.687	138.5	0.633
325	6.199	33.977	26.719	135.7	0.666
351	5.980	33.995	26.761	131.9	0.701
376	5.756	34.010	26.801	128.2	0.734
400	5.551	34.017	26.831	125.5	0.764
426	5.291	34.033	26.875	121.4	0.796
450	5.249	34.069	26.908	118.5	0.825
476	5.097	34.086	26.940	115.7	0.855
500	4.769	34.074	26.967	112.9	0.883



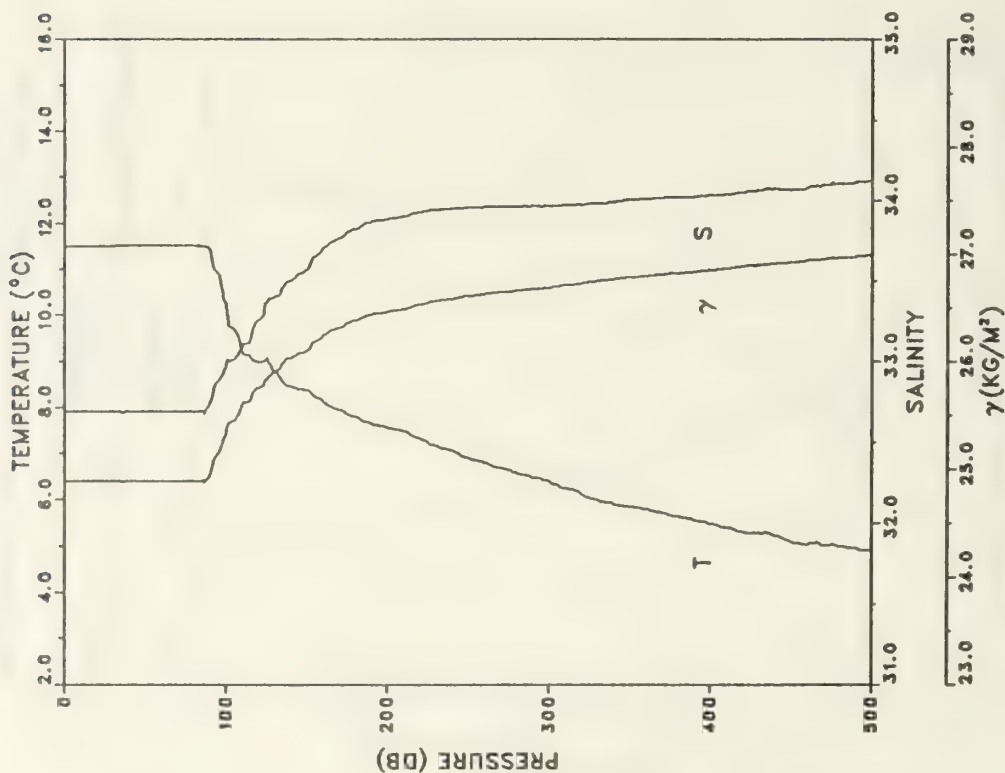
STATION: 89 LAT: 40 45.4 N LON: 125 59.7 W
DATE: 3/25/87 TIME: 0541Z



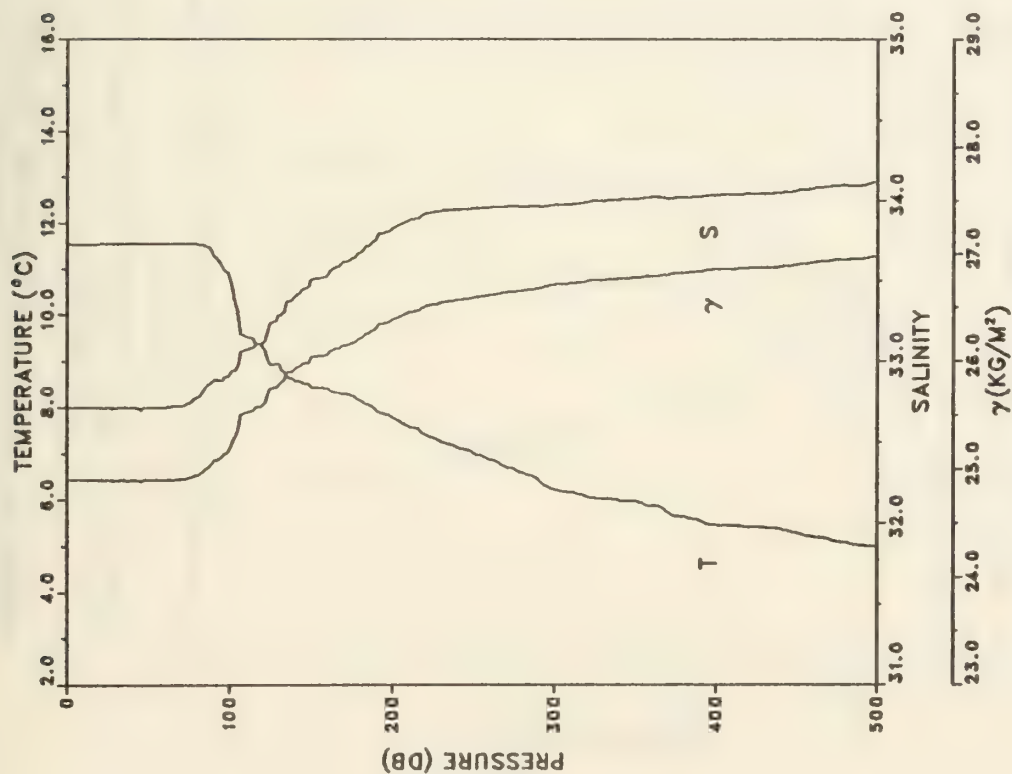
STATION: 90 LAT: 40 45.6 N LON: 125 48.3 W
DATE: 3/25/87 TIME: 0711Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.538	32.628	24.833	310.7	0.000
6	11.541	32.628	24.832	310.9	0.016
10	11.541	32.627	24.832	311.0	0.028
16	11.547	32.627	24.831	311.2	0.047
20	11.547	32.627	24.831	311.3	0.059
26	11.548	32.628	24.831	311.4	0.078
30	11.541	32.629	24.833	311.3	0.090
36	11.375	32.656	24.884	306.5	0.109
41	11.283	32.646	24.893	305.8	0.124
45	11.280	32.646	24.894	305.8	0.136
51	11.275	32.649	24.897	305.7	0.155
60	11.272	32.659	24.905	305.1	0.182
71	11.256	32.678	24.923	303.6	0.216
81	10.998	32.860	25.110	285.9	0.245
91	9.595	33.077	25.518	247.2	0.272
100	9.195	33.147	25.637	236.0	0.293
125	8.622	33.368	25.899	211.4	0.349
151	8.145	33.650	26.192	183.9	0.401
176	7.722	33.825	26.392	165.3	0.444
201	7.369	33.911	26.510	154.4	0.484
225	7.119	33.934	26.563	149.6	0.521
251	6.790	33.949	26.620	144.4	0.559
276	6.551	33.954	26.655	141.3	0.595
301	6.363	33.966	26.689	138.3	0.630
325	6.149	33.979	26.727	134.9	0.663
350	5.920	33.998	26.771	130.9	0.696
376	5.737	34.012	26.805	127.9	0.729
400	5.513	34.027	26.844	124.3	0.760
426	5.319	34.057	26.891	120.0	0.791
450	5.254	34.087	26.922	117.2	0.820
476	5.043	34.108	26.963	113.4	0.850
500	4.818	34.105	26.986	111.2	0.877

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.497	32.689	24.838	305.5	0.000
5	11.503	32.689	24.887	305.7	0.012
10	11.505	32.688	24.886	305.9	0.028
16	11.505	32.687	24.885	306.1	0.046
20	11.506	32.688	24.885	306.1	0.058
25	11.506	32.687	24.885	306.3	0.073
31	11.507	32.688	24.885	306.4	0.092
35	11.508	32.688	24.885	306.5	0.104
41	11.509	32.687	24.884	306.7	0.122
46	11.509	32.688	24.885	306.7	0.138
50	11.510	32.687	24.884	306.9	0.150
60	11.511	32.688	24.884	307.0	0.181
71	11.510	32.689	24.885	307.2	0.215
81	11.509	32.690	24.886	307.3	0.245
91	11.381	32.752	24.958	300.7	0.276
100	10.261	32.963	25.318	266.4	0.301
126	9.055	33.367	25.831	218.0	0.364
151	8.355	33.578	26.105	192.3	0.415
176	7.852	33.805	26.357	168.6	0.461
201	7.560	33.884	26.462	159.0	0.501
226	7.227	33.934	26.548	151.1	0.540
250	6.904	33.954	26.608	145.6	0.576
276	6.542	33.959	26.647	142.1	0.613
301	6.385	33.963	26.684	138.8	0.648
326	6.032	33.976	26.740	133.6	0.682
350	5.850	34.001	26.782	129.8	0.714
376	5.659	34.019	26.820	126.4	0.747
401	5.473	34.032	26.853	123.4	0.779
426	5.286	34.056	26.894	119.6	0.809
450	5.086	34.063	26.923	117.0	0.837
476	5.042	34.109	26.964	113.3	0.867
500	4.914	34.121	26.988	111.1	0.894



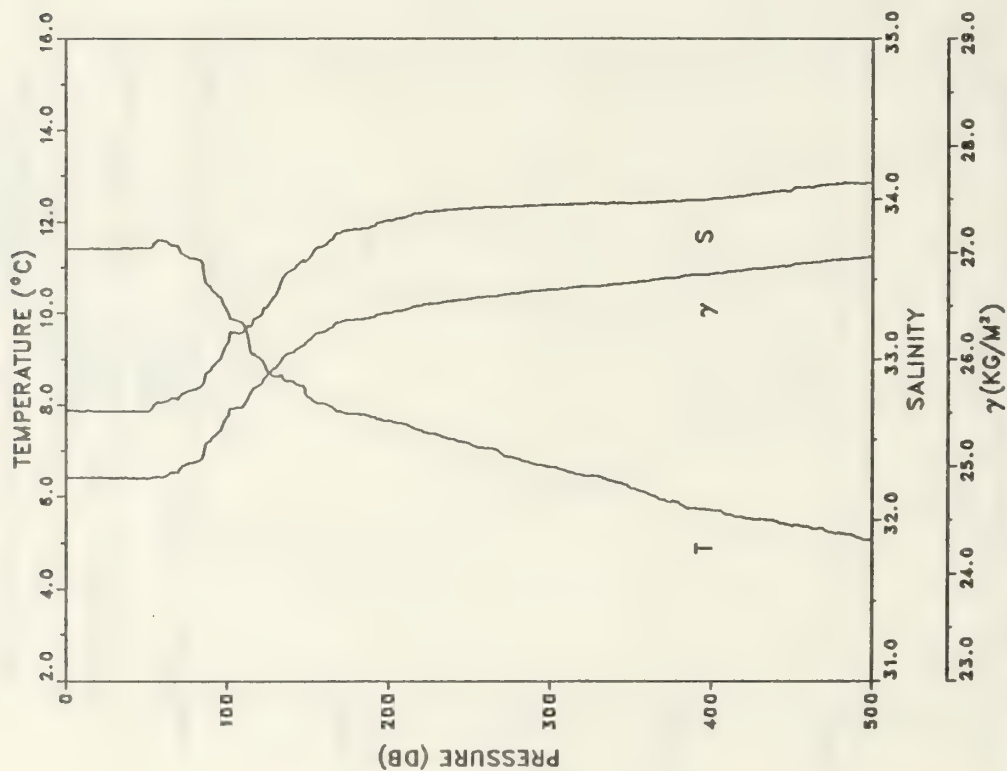
STATION: 91 LAT: 40 45.6 N LON: 125 38.3 W
DATE: 3/25/87 TIME: 0841Z



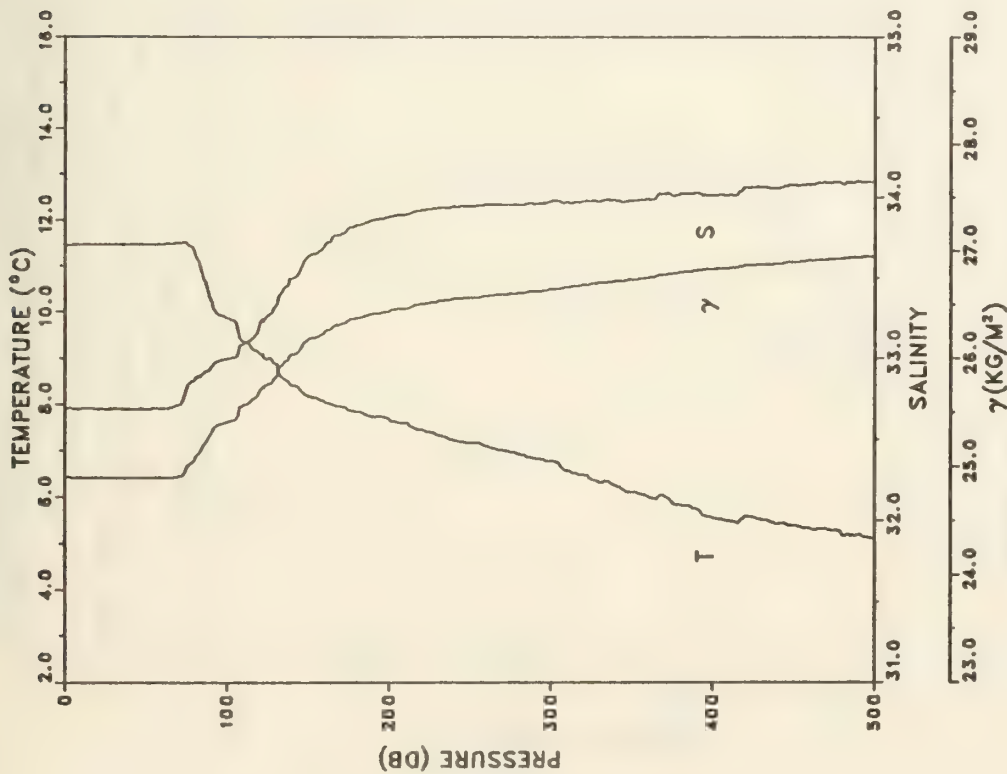
STATION: 92 LAT: 40 45.6 N LON: 125 28.4 W
DATE: 3/25/87 TIME: 1006Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.527	32.714	24.902	304.1	0.000
5	11.527	32.714	24.902	304.2	0.012
10	11.537	32.712	24.898	304.7	0.027
15	11.539	32.712	24.898	304.8	0.043
21	11.541	32.712	24.898	305.0	0.061
26	11.541	32.712	24.898	305.1	0.076
31	11.543	32.712	24.897	305.2	0.091
36	11.547	32.713	24.897	305.3	0.107
40	11.547	32.714	24.898	305.3	0.119
46	11.546	32.695	24.884	306.8	0.137
51	11.549	32.714	24.898	305.6	0.153
60	11.550	32.715	24.898	305.7	0.180
70	11.544	32.723	24.906	305.2	0.211
81	11.536	32.781	24.952	301.0	0.244
91	11.284	32.885	25.082	288.8	0.273
101	10.708	32.928	25.214	276.4	0.302
125	8.921	33.232	25.747	225.9	0.362
151	8.429	33.509	26.039	198.5	0.417
176	8.255	33.640	26.168	186.6	0.465
200	7.773	33.825	26.385	166.4	0.508
226	7.330	33.927	26.528	153.0	0.549
250	7.008	33.950	26.591	147.3	0.585
276	6.657	33.962	26.648	142.1	0.623
300	6.211	33.972	26.714	135.9	0.656
326	6.033	33.998	26.757	132.0	0.691
351	5.957	34.010	26.776	130.5	0.724
376	5.644	34.018	26.821	126.3	0.756
401	5.451	34.033	26.856	123.1	0.787
426	5.402	34.044	26.871	121.9	0.818
450	5.279	34.062	26.899	119.4	0.847
476	5.091	34.092	26.945	115.2	0.877
500	4.992	34.115	26.975	112.5	0.904

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.414	32.677	24.893	304.9	0.000
5	11.415	32.677	24.893	305.0	0.012
10	11.413	32.675	24.892	305.3	0.027
15	11.421	32.677	24.892	305.3	0.043
20	11.418	32.676	24.892	305.5	0.058
26	11.420	32.675	24.891	305.7	0.076
30	11.417	32.673	24.890	305.9	0.089
35	11.421	32.674	24.890	306.0	0.104
40	11.420	32.674	24.890	306.1	0.119
46	11.424	32.674	24.889	306.3	0.138
50	11.425	32.675	24.890	306.3	0.150
61	11.593	32.733	24.904	305.2	0.183
71	11.402	32.766	24.965	299.6	0.214
80	11.197	32.813	25.038	292.8	0.240
91	10.504	32.949	25.266	271.3	0.271
101	9.986	33.108	25.478	251.3	0.297
125	8.736	33.328	25.850	216.0	0.354
150	8.169	33.626	26.170	186.0	0.404
176	7.813	33.808	26.365	167.8	0.450
200	7.652	33.864	26.433	161.8	0.489
225	7.386	33.921	26.515	154.2	0.529
251	7.141	33.939	26.564	149.9	0.568
276	6.858	33.951	26.612	145.5	0.605
300	6.649	33.964	26.650	142.1	0.640
325	6.450	33.973	26.684	139.2	0.675
351	6.186	33.974	26.718	136.0	0.711
375	5.894	33.986	26.765	131.7	0.743
400	5.709	34.000	26.799	128.7	0.775
426	5.515	34.031	26.847	124.3	0.808
450	5.366	34.053	26.882	121.1	0.838
476	5.220	34.089	26.928	116.9	0.869
500	5.060	34.105	26.959	114.1	0.896



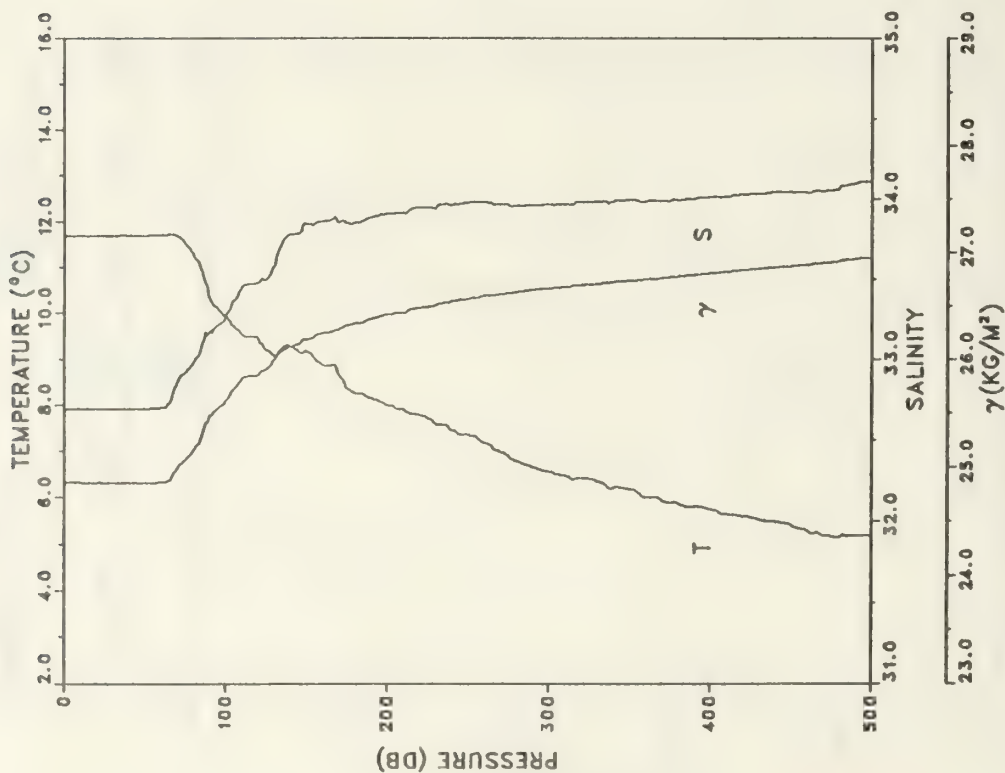
STATION: 93 LAT: 40 38.5 N LON: 125 28.3 W
 DATE: 3/25/87 TIME: 1118Z



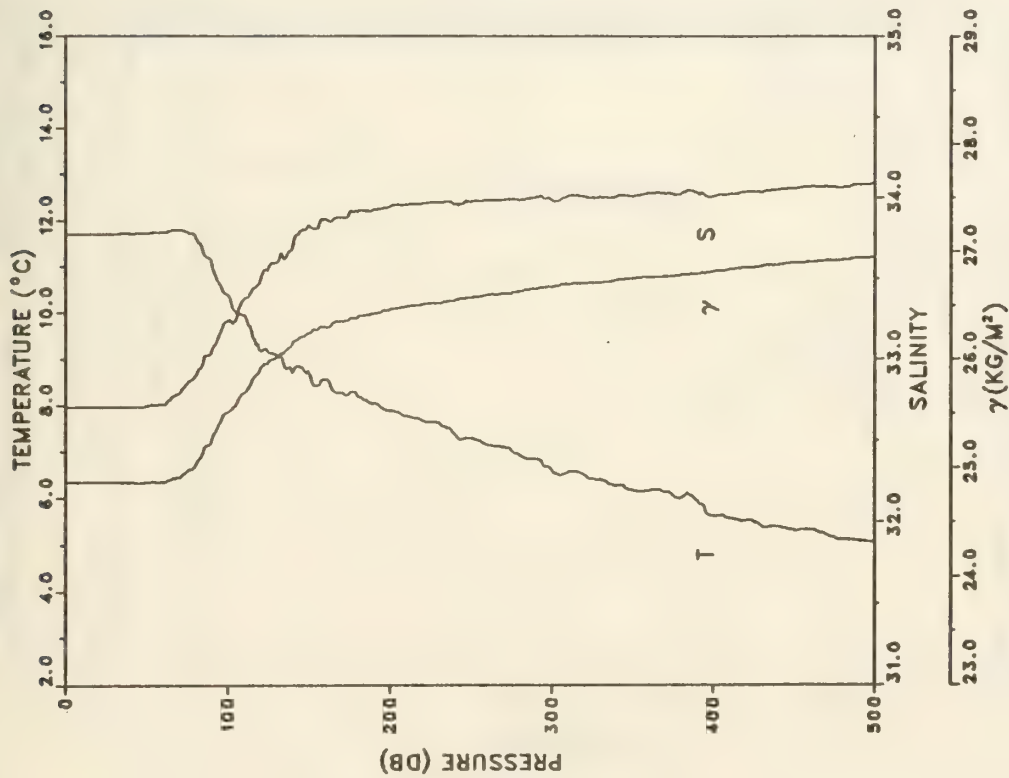
STATION: 94 LAT: 40 30.5 N LON: 125 28.7 W
DATE: 3/25/87 TIME: 1236Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.443	32.691	24.899	304.4	0.000
5	11.455	32.686	24.893	305.1	0.012
10	11.457	32.688	24.894	305.1	0.027
15	11.466	32.689	24.893	305.2	0.043
20	11.456	32.686	24.893	305.4	0.058
25	11.459	32.686	24.892	305.5	0.073
31	11.466	32.687	24.892	305.7	0.092
36	11.462	32.687	24.893	305.8	0.107
40	11.458	32.685	24.892	305.9	0.119
46	11.460	32.686	24.892	306.0	0.137
51	11.462	32.686	24.892	306.1	0.153
61	11.471	32.688	24.892	306.4	0.183
71	11.507	32.714	24.905	305.3	0.214
81	11.189	32.879	25.091	287.8	0.244
91	10.206	32.947	25.315	266.6	0.271
101	9.852	32.997	25.413	257.4	0.298
125	8.992	33.262	25.759	224.8	0.355
151	8.164	33.636	26.179	185.2	0.409
176	7.870	33.810	26.359	168.5	0.453
200	7.680	33.878	26.440	161.1	0.492
225	7.409	33.925	26.515	154.2	0.532
251	7.177	33.945	26.564	149.9	0.571
276	6.973	33.954	26.599	146.9	0.609
300	6.774	33.974	26.641	143.1	0.643
325	6.382	33.974	26.693	138.2	0.678
350	6.107	33.979	26.733	134.7	0.713
375	5.881	34.009	26.785	129.9	0.746
400	5.548	34.015	26.830	125.6	0.778
426	5.556	34.062	26.866	122.5	0.810
450	5.385	34.076	26.898	119.6	0.839
476	5.286	34.094	26.924	117.4	0.870
500	5.113	34.097	26.946	115.3	0.898

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.684	32.691	24.855	308.6	0.000
5	11.684	32.691	24.855	308.7	0.012
11	11.687	32.689	24.853	309.0	0.031
16	11.686	32.689	24.853	309.1	0.046
21	11.687	32.689	24.853	309.2	0.062
26	11.689	32.689	24.853	309.3	0.077
30	11.688	32.689	24.853	309.4	0.090
35	11.697	32.690	24.852	309.6	0.105
41	11.696	32.690	24.852	309.7	0.124
45	11.690	32.687	24.851	309.9	0.136
50	11.690	32.688	24.852	310.0	0.152
60	11.708	32.698	24.856	309.7	0.183
70	11.696	32.837	24.966	299.5	0.213
81	11.227	32.988	25.169	280.4	0.245
90	10.366	33.162	25.455	253.2	0.269
100	9.919	33.265	25.611	238.5	0.294
125	9.207	33.498	25.910	210.6	0.350
151	9.150	33.842	26.188	184.6	0.401
176	8.345	33.844	26.315	172.8	0.446
200	7.992	33.904	26.415	163.6	0.486
225	7.712	33.945	26.488	157.0	0.526
250	7.356	33.973	26.562	150.2	0.565
275	6.903	33.961	26.614	145.4	0.601
300	6.565	33.963	26.661	141.1	0.637
325	6.406	33.981	26.696	138.0	0.672
351	6.183	33.993	26.734	134.6	0.708
375	5.880	33.988	26.768	131.4	0.740
401	5.746	34.011	26.803	128.3	0.773
426	5.569	34.032	26.841	124.9	0.805
450	5.411	34.040	26.866	122.6	0.835
476	5.152	34.054	26.908	118.7	0.866
500	5.171	34.109	26.949	115.1	0.894



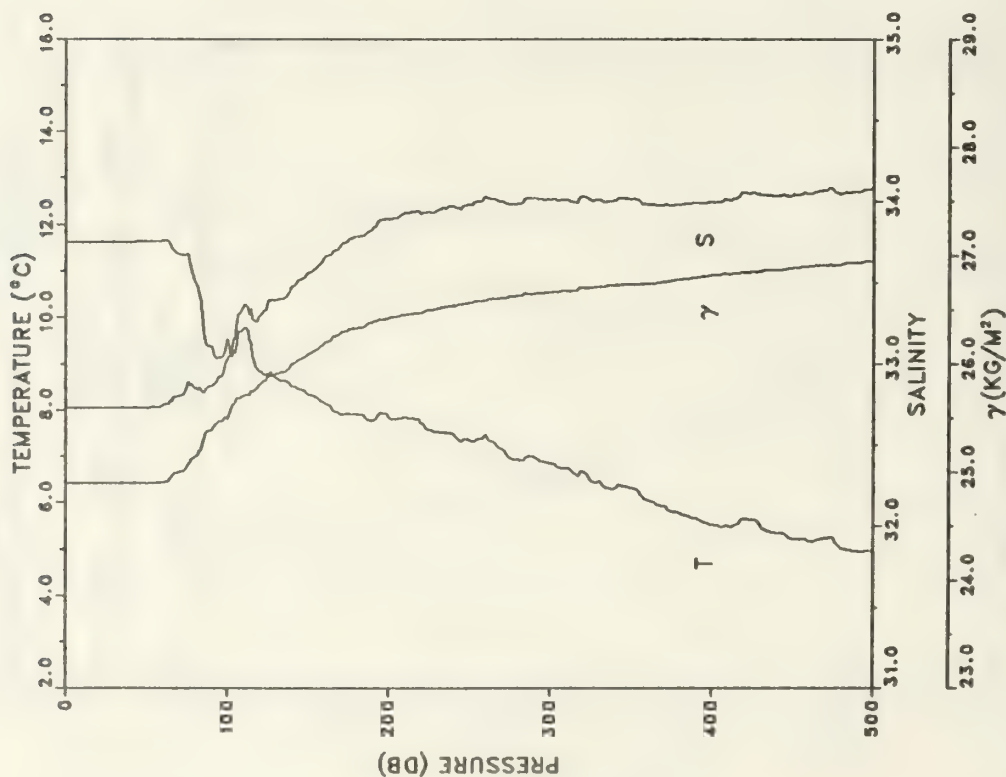
STATION: 791 LAT: 40 22.9 N LON: 125 28.5 W
DATE: 3/25/87 TIME: 1400Z



STATION: 95 LAT: 40 16.5 N LON: 125 29.1 W
 DATE: 3/25/87 TIME: 1518Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.699	32.705	24.863	307.8	0.000
5	11.704	32.705	24.862	308.0	0.012
10	11.705	32.705	24.862	308.1	0.028
15	11.704	32.705	24.862	308.2	0.043
20	11.704	32.705	24.862	308.3	0.059
26	11.705	32.705	24.862	308.4	0.077
31	11.709	32.705	24.862	308.6	0.092
35	11.714	32.705	24.861	308.8	0.105
41	11.710	32.705	24.861	308.9	0.123
46	11.714	32.704	24.860	309.1	0.139
50	11.723	32.711	24.864	308.8	0.151
61	11.743	32.720	24.867	308.8	0.185
70	11.791	32.788	24.911	304.8	0.213
80	11.673	32.894	25.015	295.1	0.243
91	10.964	33.066	25.277	270.3	0.274
100	10.394	33.239	25.511	248.2	0.297
126	9.129	33.574	25.951	203.7	0.356
151	8.628	33.817	26.250	178.6	0.404
176	8.290	33.916	26.379	166.7	0.447
201	7.886	33.950	26.466	158.7	0.488
226	7.633	33.968	26.517	154.2	0.527
250	7.292	33.975	26.571	149.3	0.563
275	7.027	33.986	26.617	145.2	0.600
300	6.602	33.979	26.668	140.4	0.636
325	6.413	33.996	26.707	137.0	0.670
350	6.170	34.009	26.748	133.2	0.704
375	6.061	34.023	26.773	131.1	0.737
400	5.612	34.007	26.816	127.0	0.769
425	5.494	34.036	26.853	123.6	0.801
450	5.308	34.057	26.892	120.1	0.831
475	5.144	34.065	26.917	117.8	0.861
500	5.055	34.089	26.947	115.2	0.890

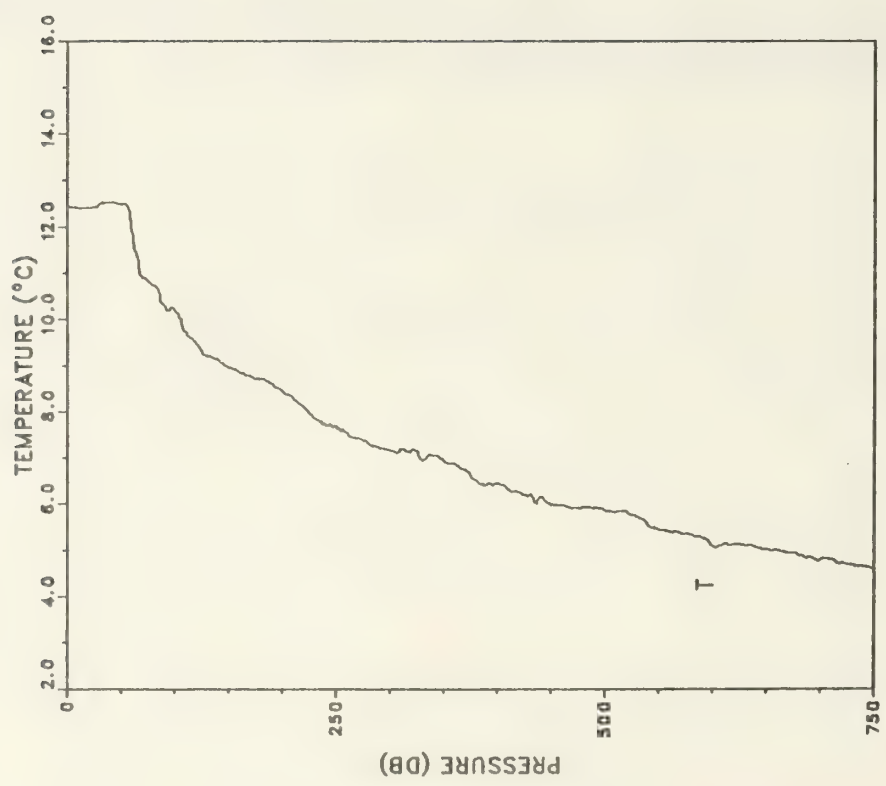
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.617	32.729	24.897	304.6	0.000
5	11.617	32.729	24.897	304.7	0.012
11	11.623	32.730	24.897	304.8	0.030
15	11.619	32.728	24.896	305.0	0.043
20	11.618	32.728	24.896	305.1	0.058
26	11.619	32.728	24.896	305.2	0.076
31	11.620	32.728	24.896	305.4	0.091
36	11.621	32.728	24.895	305.5	0.107
41	11.621	32.728	24.895	305.6	0.122
45	11.631	32.729	24.894	305.8	0.134
51	11.630	32.730	24.895	305.8	0.153
60	11.649	32.743	24.902	305.4	0.180
71	11.349	32.803	25.003	296.0	0.213
81	10.725	32.849	25.150	282.2	0.242
91	9.346	32.863	25.391	259.2	0.269
100	9.533	33.029	25.490	249.9	0.292
126	8.795	33.390	25.890	212.3	0.352
151	8.332	33.562	26.095	193.1	0.403
176	7.916	33.766	26.317	172.4	0.449
200	7.842	33.885	26.422	162.9	0.489
225	7.590	33.934	26.497	156.1	0.529
250	7.348	33.976	26.564	150.0	0.567
276	6.944	33.981	26.624	144.5	0.605
301	6.850	34.011	26.660	141.3	0.641
325	6.464	34.002	26.705	137.2	0.674
350	6.322	34.015	26.733	134.7	0.708
375	5.799	33.972	26.766	131.6	0.742
401	5.518	33.994	26.817	126.8	0.775
426	5.631	34.051	26.849	124.2	0.807
450	5.217	34.034	26.884	120.7	0.836
475	5.243	34.072	26.912	118.5	0.866
500	4.969	34.079	26.949	114.9	0.895



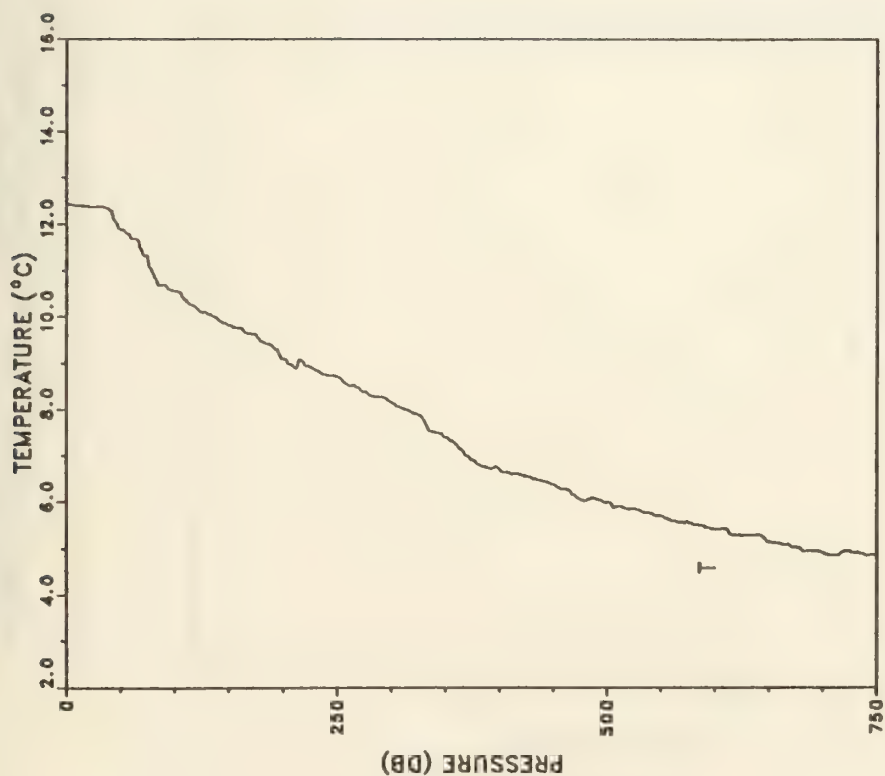
STATION: 96 LAT: 40 8.4 N LON: 125 32.3 W
 DATE: 3/25/87 TIME: 1630Z

Figure 22. Vertical profiles of temperature for all XBT stations of cruise CTZ1, with listing of selected data points.

PRESS	TEMP	PRESS	TEMP
1	12.450	525	5.775
6	12.420	550	5.450
10	12.405	575	5.355
16	12.400	601	5.085
20	12.410	626	5.130
26	12.435	650	5.015
30	12.495	676	4.935
36	12.530	701	4.800
40	12.530	726	4.710
46	12.505	750	4.610
50	12.480		
60	11.950		
70	10.905		
81	10.740		
91	10.285		
100	10.205		
125	9.315		
151	8.950		
175	8.720		
200	8.450		
225	7.970		
250	7.675		
276	7.370		
300	7.160		
325	7.160		
350	6.940		
376	6.575		
400	6.450		
426	6.205		
450	5.980		
475	5.910		
501	5.860		



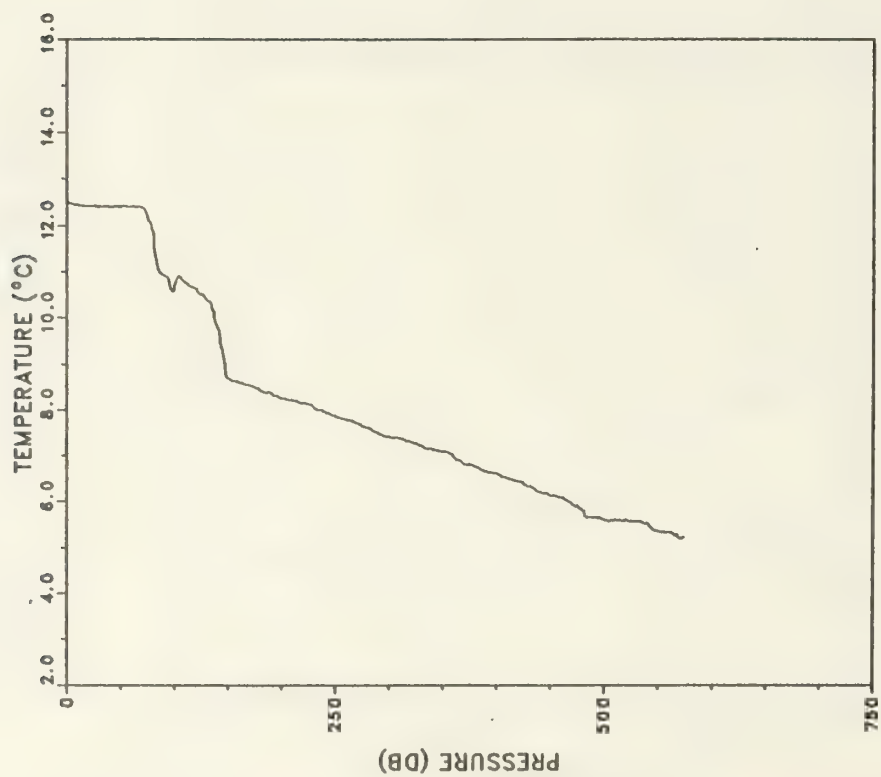
STATION: 31 LAT: 37 38.3 N LON: 123 53.2 W
DATE: 3/20/87 TIME: 0030Z



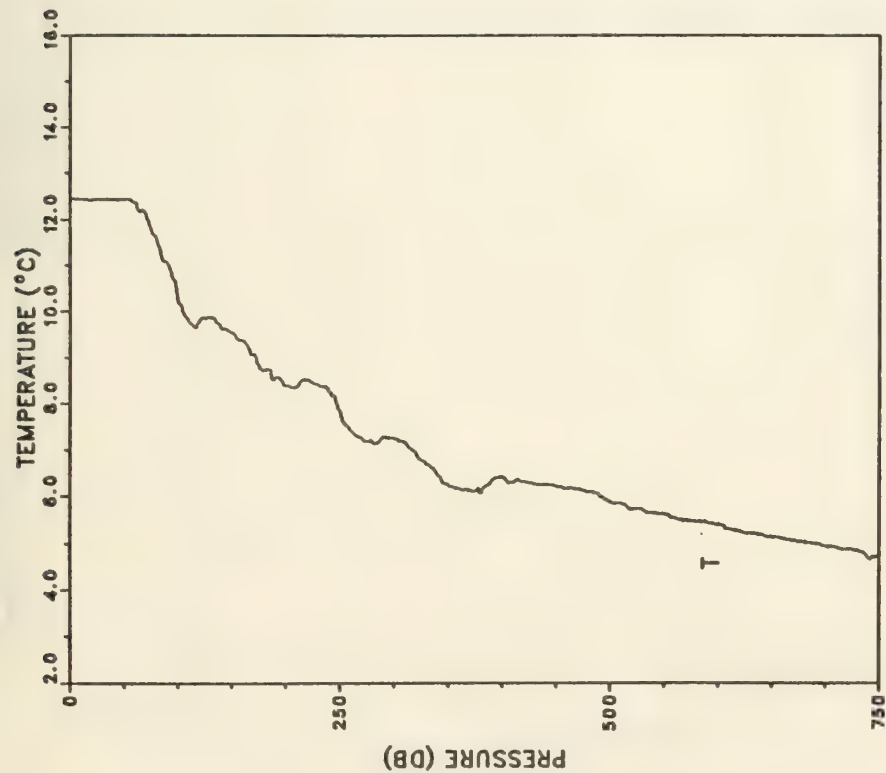
STATION: 101 LAT: 37 42.1 N LON: 123 43.5 W
 DATE: 3/20/87 TIME: 0300Z

PRESS	TEMP	PRESS	TEMP
1	12.435	525	5.850
6	12.420	550	5.700
10	12.410	575	5.555
16	12.390	601	5.415
20	12.390	626	5.270
26	12.365	650	5.145
30	12.380	676	5.010
36	12.360	701	4.890
40	12.310	726	4.920
46	12.015	750	4.860
50	11.885		
60	11.690		
70	11.405		
81	10.910		
91	10.690		
100	10.560		
125	10.110		
151	9.820		
175	9.610		
200	9.095		
225	8.920		
250	8.700		
276	8.385		
300	8.150		
325	7.880		
350	7.400		
376	6.905		
400	6.710		
426	6.555		
450	6.380		
475	6.050		
501	5.995		

PRESS	TEMP	PRESS	TEMP
1	12.515	525	5.585
5	12.465	550	5.370
10	12.460	574	5.230
16	12.430		
20	12.420		
26	12.420		
30	12.410		
36	12.405		
40	12.410		
46	12.420		
50	12.415		
60	12.410		
70	12.395		
81	11.845		
91	10.915		
100	10.600		
125	10.510		
151	8.680		
175	8.500		
200	8.255		
225	8.120		
250	7.870		
276	7.645		
300	7.410		
325	7.270		
350	7.090		
376	6.790		
400	6.610		
426	6.375		
450	6.135		
475	5.920		
501	5.590		

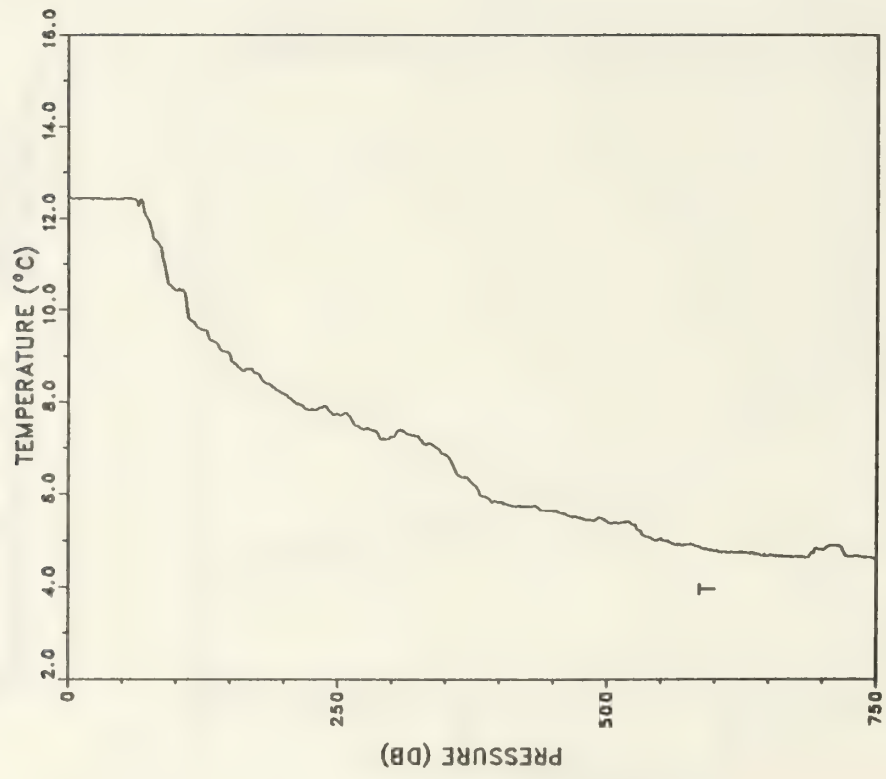


STATION: 102 LAT: 37 50.7 N LON: 123 24.2 W
DATE: 3/20/87 TIME: 0611Z



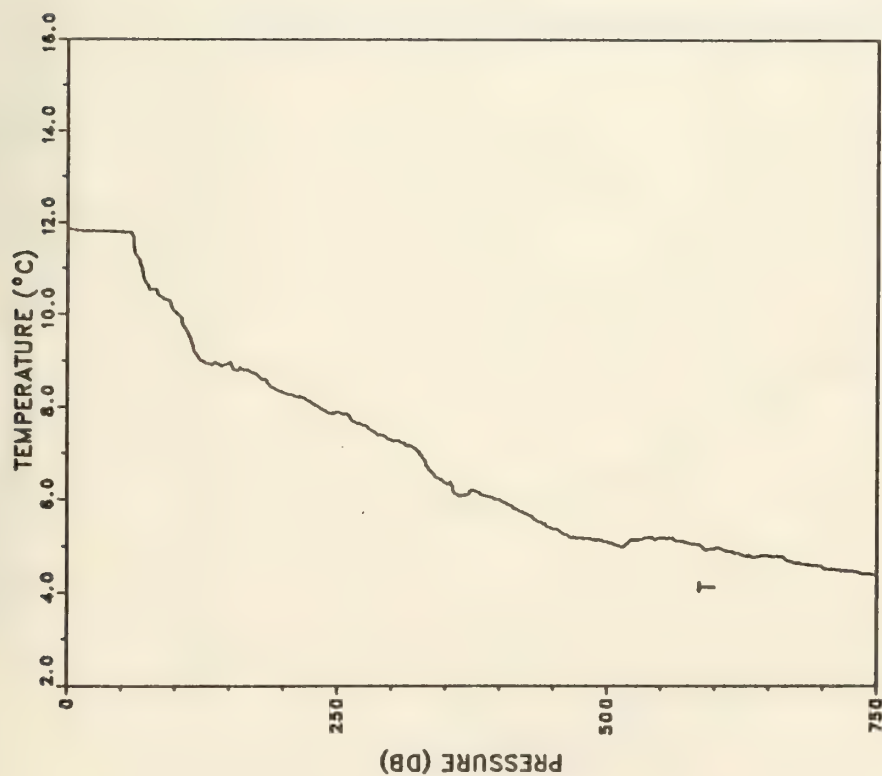
STATION: 103 LAT: 38 11.0 N LON: 123 34.8 W
 DATE: 3/20/87 TIME: 1323Z

TEMP	PRESS	TEMP	PRESS
12.465	525	12.445	1
5.740	550	12.445	6
5.620	575	12.445	10
5.480	601	12.445	16
5.400	626	12.440	20
5.215	650	12.440	26
5.135	676	12.445	30
5.035	701	12.445	36
4.935	726	12.440	40
4.865	750	12.445	46
4.720		12.445	50
		12.370	60
		12.140	70
		11.540	81
		11.015	91
		10.260	100
		9.855	125
		9.540	151
		8.830	175
		8.385	200
		8.440	225
		7.840	250
		7.195	276
		7.260	300
		6.780	325
		6.250	350
		6.125	376
		6.410	400
		6.290	426
		6.215	450
		6.130	475
		5.875	501



TEMP	PRESS	TEMP	PRESS
5.340	525	12.465	1
5.040	550	12.425	6
4.915	575	12.420	10
4.785	601	12.445	16
4.745	626	12.440	20
4.675	650	12.445	26
4.650	676	12.425	30
4.795	701	12.430	36
4.650	726	12.440	40
4.580	750	12.425	46
		12.430	50
		12.430	60
		12.225	70
		11.535	81
		10.765	91
		10.415	100
		9.560	125
		8.970	151
		8.620	175
		8.175	200
		7.830	225
		7.735	250
		7.410	276
		7.240	300
		7.240	325
		6.850	350
		6.220	376
		5.825	400
		5.740	426
		5.635	450
		5.480	475
		5.390	501

STATION: 104 LAT: 38 7.4 N LON: 123 41.8 W
 DATE: 3/20/87 TIME: 1406Z

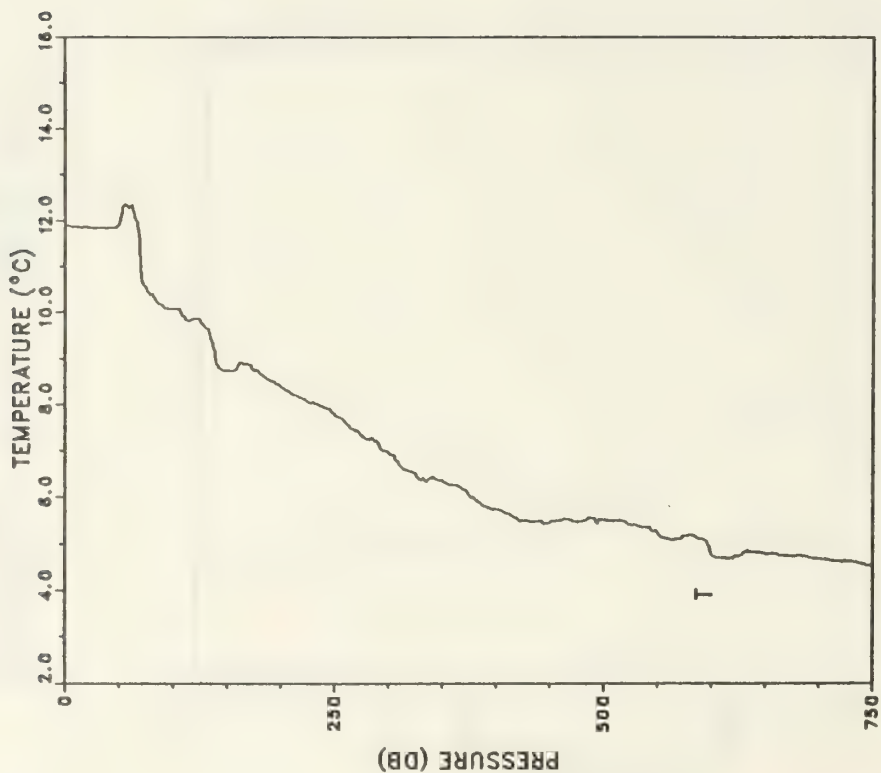


STATION: 105 LAT: 38 11.6 N LON: 123 51.3 W
 DATE: 3/20/87 TIME: 1600Z

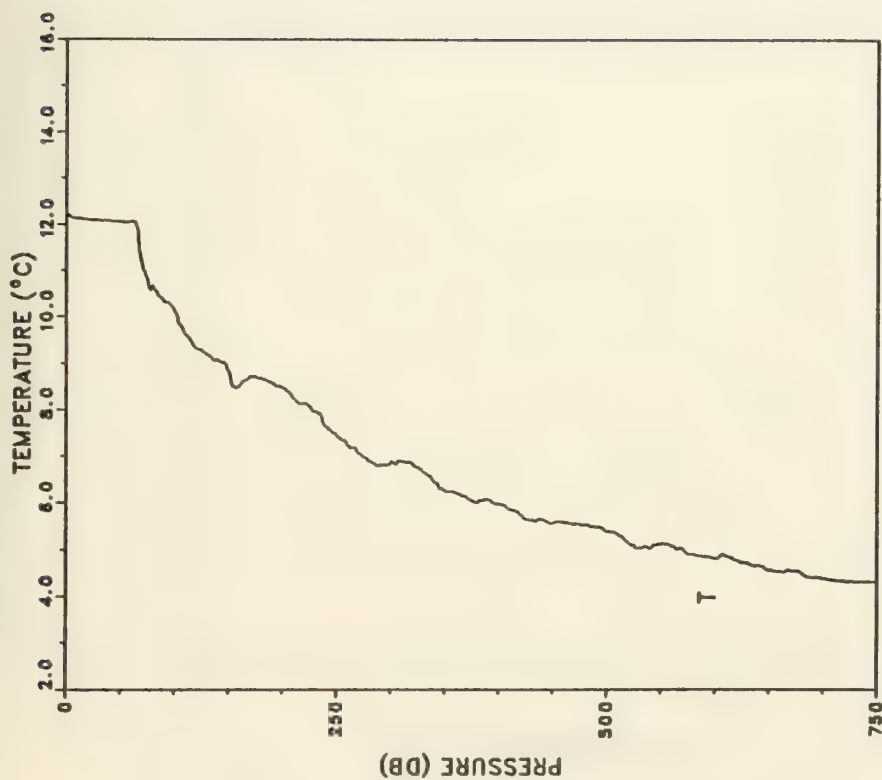
TEMP	PRESS	TEMP	PRESS
5.155	525	11.870	1
5.165	550	11.840	6
5.080	575	11.825	10
4.960	601	11.810	16
4.815	626	11.810	20
4.805	650	11.805	26
4.640	676	11.810	30
4.535	701	11.800	36
4.480	726	11.790	40
4.390	750	11.805	46
		11.780	50
		11.750	60
		10.895	70
		10.555	81
		10.330	91
		10.055	100
		8.995	123
		8.970	151
		8.710	175
		8.305	200
		8.110	225
		7.890	250
		7.610	276
		7.280	300
		7.040	325
		6.360	350
		6.200	376
		6.000	400
		5.675	426
		5.380	450
		5.190	475
		5.090	501

PRESS	TEMP
525	5.390
550	5.230
575	5.165
601	4.740
626	4.735
650	4.790
676	4.735
701	4.680
726	4.625
750	4.525

PRESS	TEMP
1	11.900
6	11.870
10	11.865
16	11.850
20	11.850
26	11.840
30	11.835
36	11.840
40	11.850
46	11.855
50	11.910
60	12.290
70	11.200
81	10.405
91	10.125
100	10.080
125	9.830
151	8.730
175	8.740
200	8.395
225	8.050
250	7.790
276	7.325
300	6.960
325	6.520
350	6.360
376	6.025
400	5.730
426	5.500
450	5.455
475	5.470
501	5.505



STATION: 106 LAT: 38 18.3 N LON: 123 55.3 W
 DATE: 3/20/87 TIME: 1648Z



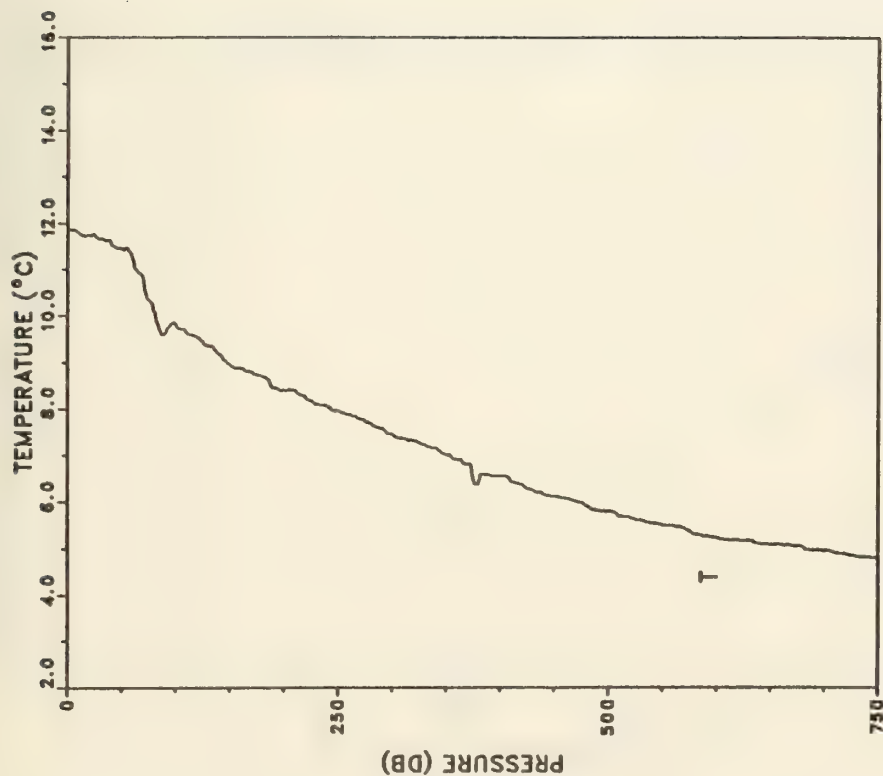
STATION: 107 LAT: 38 27.6 N LON: 123 51.2 W
 DATE: 3/20/87 TIME: 1848Z

PRESS	TEMP	PRESS	TEMP
1	12.205	525	5.080
6	12.145	550	5.110
10	12.130	575	4.900
16	12.110	601	4.800
20	12.100	626	4.725
26	12.090	650	4.560
30	12.080	676	4.530
36	12.080	701	4.375
40	12.090	726	4.320
46	12.070	750	4.315
50	12.060		
60	12.060		
70	11.175		
81	10.615		
91	10.320		
100	10.150		
125	9.285		
151	8.800		
175	8.700		
200	8.480		
225	8.060		
250	7.450		
276	6.980		
300	6.870		
325	6.770		
350	6.260		
376	6.035		
400	5.985		
426	5.650		
450	5.560		
475	5.540		
501	5.380		



TEMP	PRESS	TEMP	PRESS
5.595	525	12.020	1
5.380	550	11.955	6
5.300	575	11.925	10
5.125	601	11.920	16
5.005	626	11.920	20
4.910	650	11.905	26
4.800	676	11.900	30
4.705	701	11.895	36
4.590	726	11.900	40
4.440	750	11.910	46
		11.950	50
		11.530	60
		10.825	70
		10.120	81
		9.965	91
		9.820	100
		9.575	125
		8.850	151
		8.630	175
		8.110	200
		7.720	225
		7.445	250
		7.220	276
		6.880	300
		6.460	325
		6.370	350
		6.510	376
		6.240	400
		5.770	426
		5.840	450
		5.790	475
		5.770	501

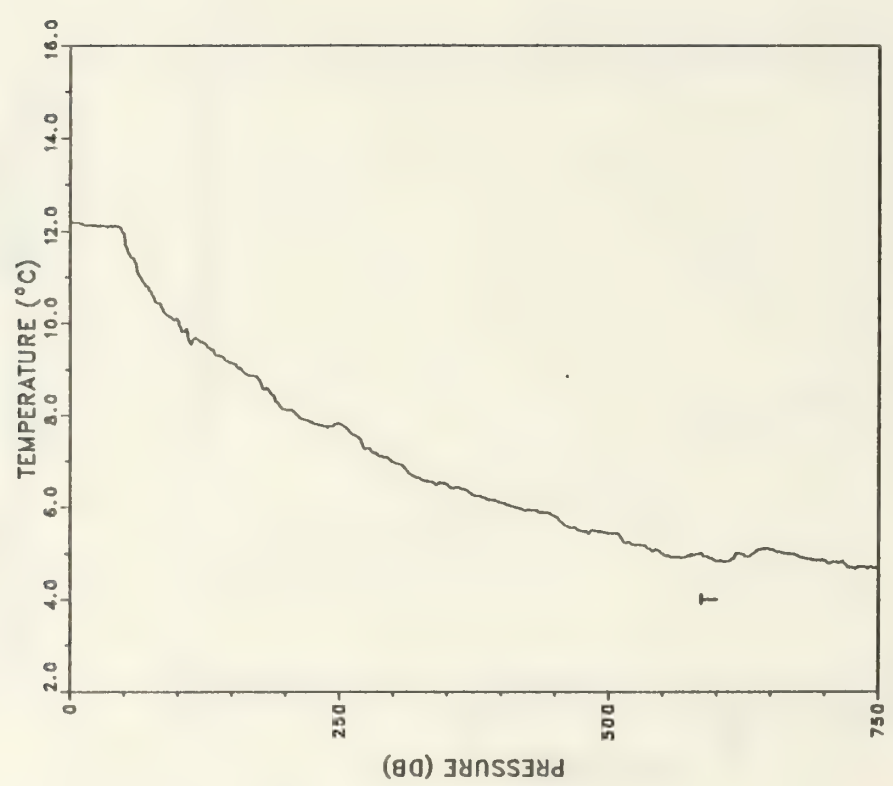
STATION: 108 LAT: 38 30.9 N LON: 123 43.4 W
 DATE: 3/20/87 TIME: 1930Z



STATION: 109 LAT: 38 50.5 N LON: 123 57.7 W
 DATE: 3/21/87 TIME: 0006Z

TEMP	TEMP	TEMP
5.615	11.875	1
5.510	11.853	6
5.390	11.815	10
5.215	11.720	16
5.170	11.730	20
5.080	11.700	26
5.055	11.655	30
4.970	11.625	36
4.850	11.580	40
4.795	11.450	46
	11.440	50
	11.260	60
	10.795	70
	10.050	81
	9.670	91
	9.820	100
	9.435	125
	8.920	151
	8.730	175
	8.400	200
	8.170	225
	7.940	250
	7.710	276
	7.450	300
	7.270	325
	7.020	350
	6.440	376
	6.550	400
	6.290	426
	6.120	450
	5.990	475
	5.800	501

TEMP	PRESS	TEMP	PRESS
5.185	525	12.210	1
5.000	550	12.190	6
4.950	575	12.170	10
4.845	601	12.140	16
4.985	626	12.130	20
5.100	650	12.115	26
4.945	676	12.110	30
4.850	701	12.115	36
4.700	726	12.100	40
4.710	750	12.085	46
		11.940	50
		11.370	60
		10.820	70
		10.445	81
		10.155	91
		10.075	100
		9.560	125
		9.150	151
		8.790	175
		8.120	200
		7.840	225
		7.810	250
		7.275	276
		6.990	300
		6.630	325
		6.500	350
		6.255	376
		6.105	400
		5.950	426
		5.820	450
		5.490	475
		5.445	501

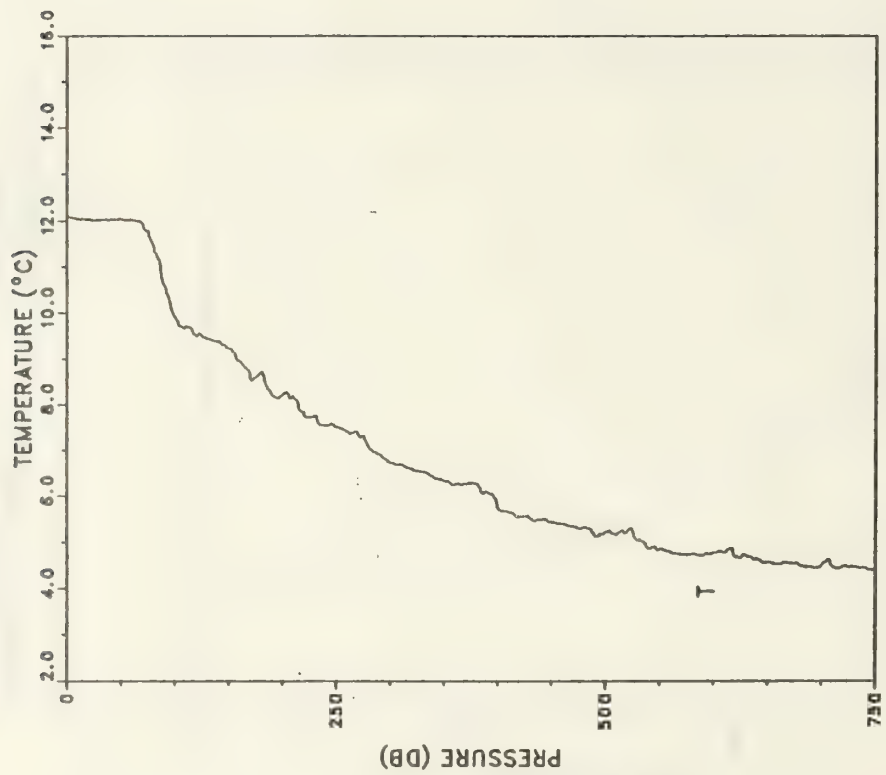


STATION: 110 LAT: 38 47.7 N LON: 124 6.2 W
DATE: 3/21/87 TIME: 0048Z



STATION: 111 LAT: 38 51.2 N LON: 124 17.5 W
 DATE: 3/21/87 TIME: 0247Z

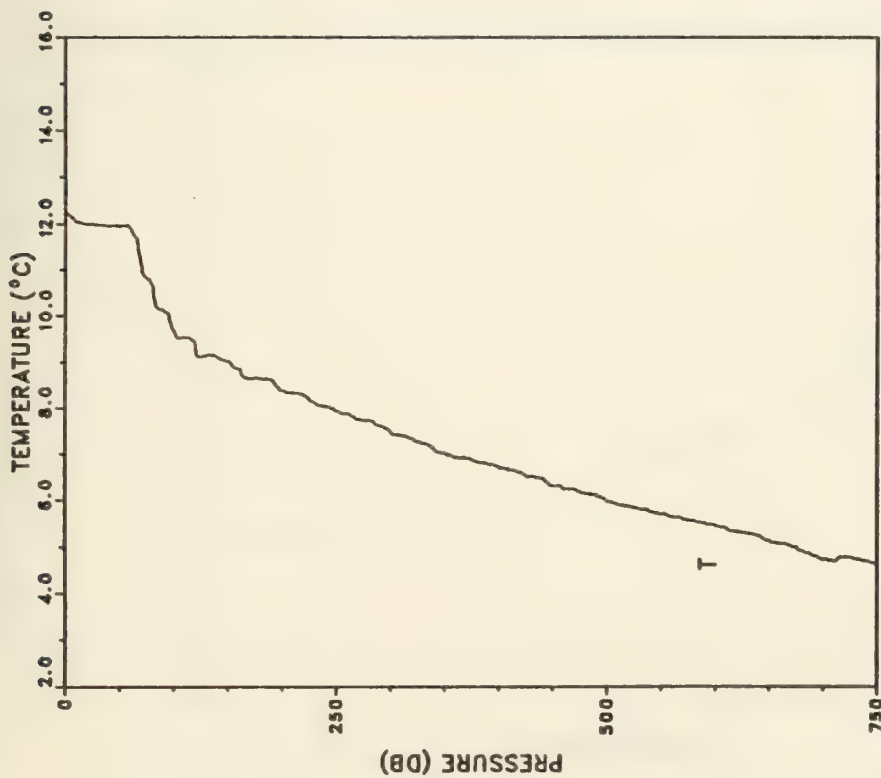
PRESS	TEMP	PRESS	TEMP
1	12.035	525	5.015
6	12.000	550	5.015
10	12.005	575	4.980
16	11.995	601	4.865
20	11.990	626	4.790
26	12.000	650	4.720
30	11.995	676	4.565
36	11.990	701	4.480
40	12.000	726	4.460
46	11.985	750	4.390
50	11.995		
60	12.080		
70	11.900		
81	11.345		
91	10.755		
100	9.950		
125	8.990		
151	8.540		
175	8.260		
200	7.900		
225	7.760		
250	7.395		
276	7.080		
300	6.780		
325	6.450		
350	6.140		
376	5.890		
400	5.620		
426	5.445		
450	5.385		
475	5.290		
501	5.120		



TEMP	PRESS
5.255	525
4.855	550
4.725	575
4.770	601
4.670	626
4.570	650
4.545	676
4.515	701
4.460	726
4.395	750

PRESS	TEMP
1	12.095
6	12.060
10	12.050
16	12.040
20	12.040
26	12.015
30	12.020
36	12.030
40	12.030
46	12.030
50	12.035
60	12.030
70	11.925
81	11.425
91	10.595
100	9.925
125	9.520
151	9.230
175	8.590
200	8.205
225	7.740
250	7.515
276	7.315
300	6.730
325	6.550
350	6.340
376	6.300
400	5.750
426	5.555
450	5.440
475	5.310
501	5.215

STATION: 112 LAT: 38 57.7 N LON: 124 21.3 W
 DATE: 3/21/87 TIME: 0323Z

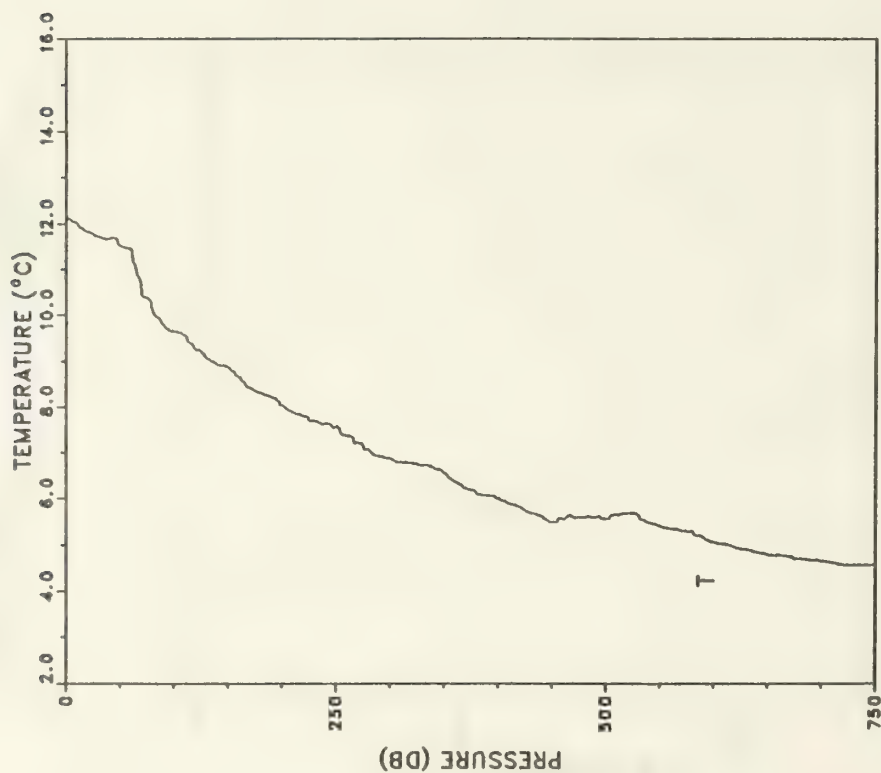


STATION: 113 LAT: 39 8.2 N LON: 124 15.6 W
 DATE: 3/23/87 TIME: 024Z

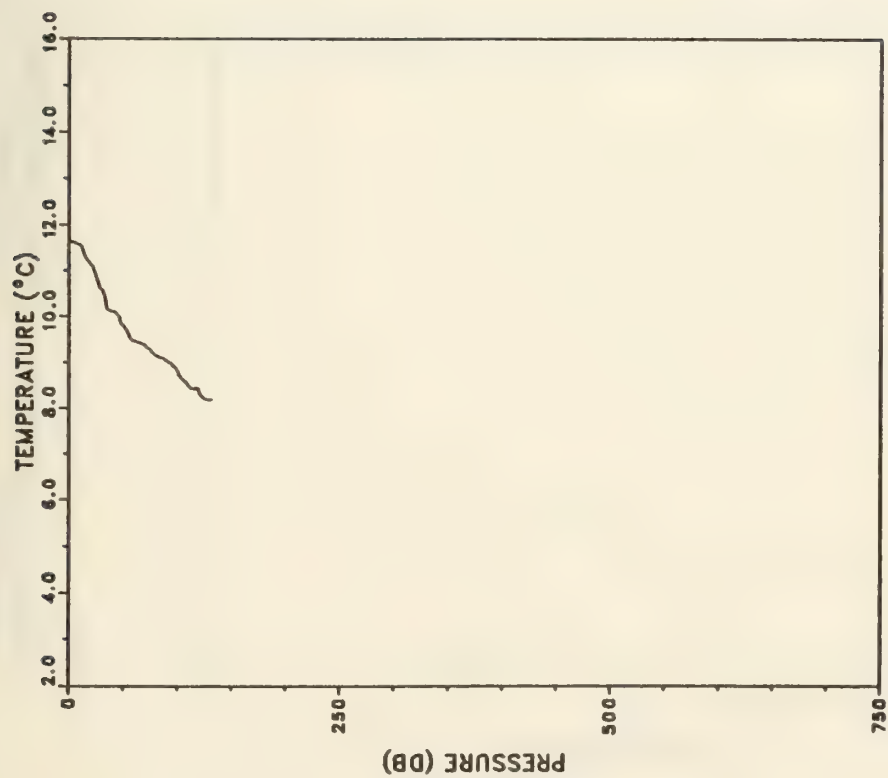
PRESS	TEMP	PRESS	TEMP
1	12.225	525	5.845
6	12.150	550	5.700
10	12.055	575	5.575
16	12.015	601	5.445
20	11.990	626	5.305
26	11.990	650	5.140
30	11.985	676	4.975
36	11.980	701	4.710
40	11.970	726	4.765
46	11.965	750	4.615
50	11.960		
60	11.910		
70	11.160		
81	10.655		
91	10.115		
100	9.890		
125	9.115		
151	9.020		
175	8.660		
200	8.380		
225	8.180		
250	7.950		
276	7.740		
300	7.480		
325	7.260		
350	7.020		
376	6.870		
400	6.725		
426	6.520		
450	6.320		
475	6.190		
501	5.975		

PRESS	TEMP
525	5.695
550	5.410
575	5.295
601	5.055
626	4.915
650	4.790
676	4.705
701	4.650
726	4.575
750	4.560

PRESS	TEMP
1	12.135
6	12.050
10	12.025
16	11.885
20	11.820
26	11.765
30	11.715
36	11.675
40	11.670
46	11.675
50	11.515
60	11.460
70	10.575
81	10.050
91	9.765
100	9.640
125	9.220
151	8.850
175	8.350
200	8.025
225	7.710
250	7.575
276	7.115
300	6.880
325	6.740
350	6.550
376	6.185
400	5.990
426	5.730
450	5.490
475	5.600
501	5.555

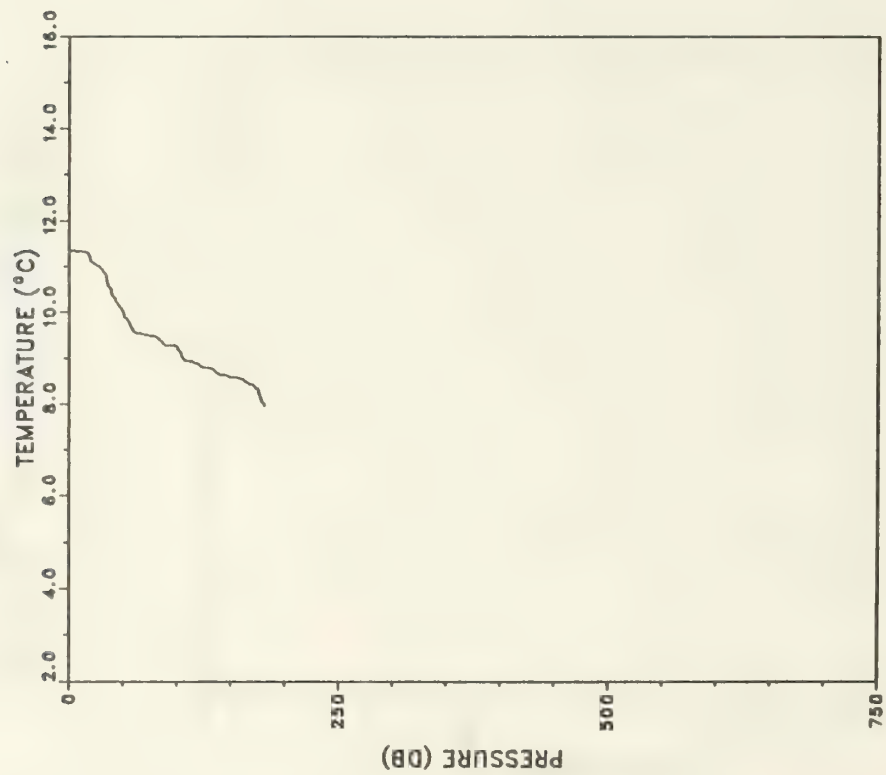


STATION: 114 LAT: 39 11.7 N LON: 124 7.6 W
 DATE: 3/23/87 TIME: 0330Z



PRESS	TEMP
1	11.635
6	11.620
10	11.560
16	11.295
20	11.140
26	10.835
30	10.585
36	10.150
40	10.110
46	9.985
50	9.795
60	9.460
70	9.365
81	9.135
91	9.010
100	8.820
125	8.205
132	8.180

STATION: 115 LAT: 39 17.6 N LON: 123 52.8 W
 DATE: 3/23/87 TIME: 0448Z



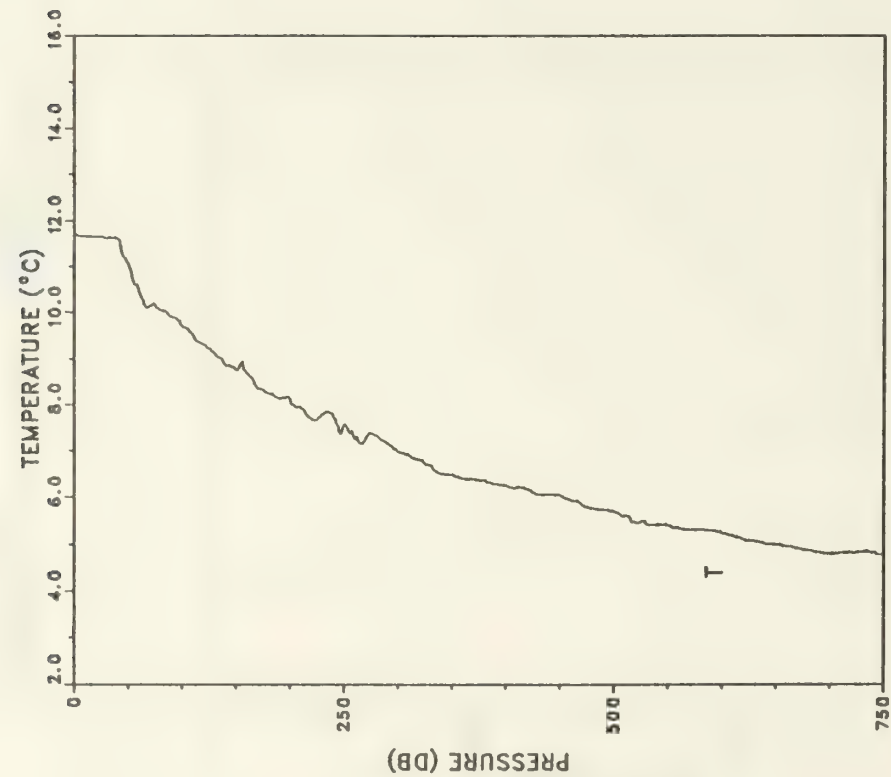
PRESS	TEMP
1	11.360
6	11.335
10	11.340
16	11.315
20	11.150
26	11.015
30	10.950
36	10.680
40	10.400
46	10.140
50	10.030
60	9.580
70	9.510
81	9.460
91	9.270
100	9.250
125	8.800
151	8.580
175	8.350
182	7.960

STATION: 116 LAT: 39 40.1 N LON: 123 57.7 W
 DATE: 3/23/87 TIME: 0753Z



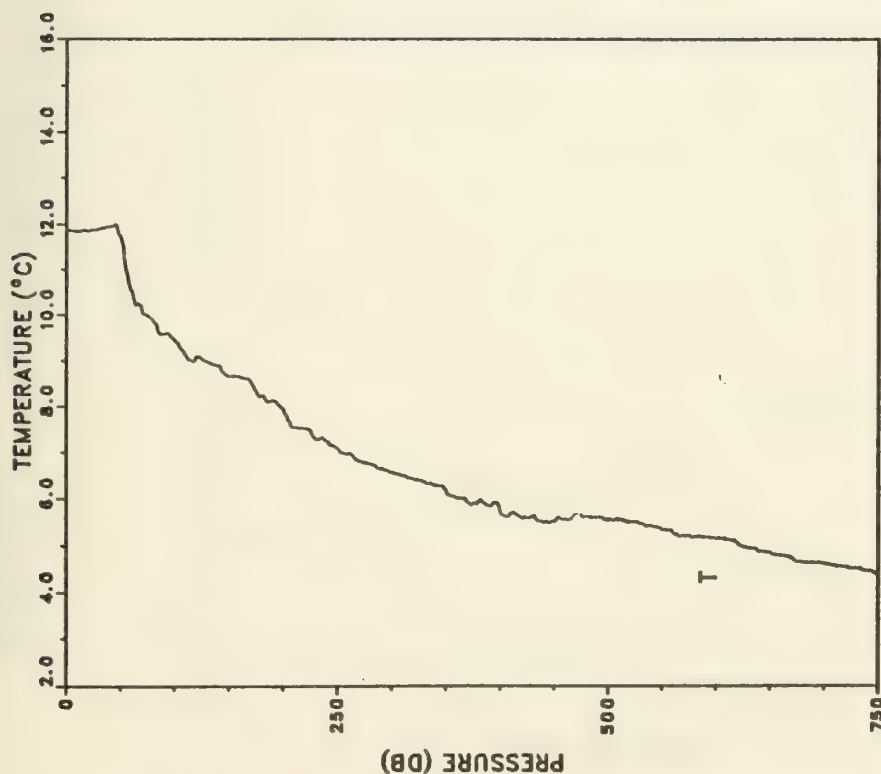
STATION: 117 LAT: 39 37.9 N LON: 124 2.9 W
 DATE: 3/23/87 TIME: 0818Z

PRESS	TEMP	PRESS	TEMP
1	11.65	525	5.280
6	11.650	550	5.115
10	11.640	575	4.995
16	11.630	601	4.890
20	11.630	626	4.885
26	11.610	650	4.750
30	11.605	676	4.710
36	11.285	701	4.710
40	10.990	726	4.710
46	10.730	750	4.730
50	10.620		
60	10.300		
70	10.085		
81	9.985		
91	9.875		
100	9.695		
125	9.195		
151	8.990		
175	8.620		
200	8.335		
225	8.050		
250	7.865		
276	7.360		
300	7.060		
325	6.670		
350	6.560		
376	6.520		
400	6.290		
426	6.090		
450	5.755		
475	5.620		
501	5.425		



PRESS	TEMP	PRESS	TEMP
1	11.690	525	5.470
6	11.675	550	5.395
10	11.665	575	5.300
16	11.650	601	5.220
20	11.650	626	5.075
26	11.645	650	4.980
30	11.620	676	4.865
36	11.610	701	4.790
40	11.600	726	4.820
46	11.190	750	4.770
50	11.070		
60	10.480		
70	10.140		
81	10.035		
91	9.885		
100	9.690		
125	9.225		
151	8.730		
175	8.330		
200	8.120		
225	7.670		
250	7.550		
276	7.360		
300	6.970		
325	6.710		
350	6.480		
376	6.375		
400	6.245		
426	6.100		
450	6.040		
475	5.800		
501	5.690		

STATION: 118 LAT: 39 32.9 N LON: 124 15.2 W
 DATE: 3/23/87 TIME: 0930Z

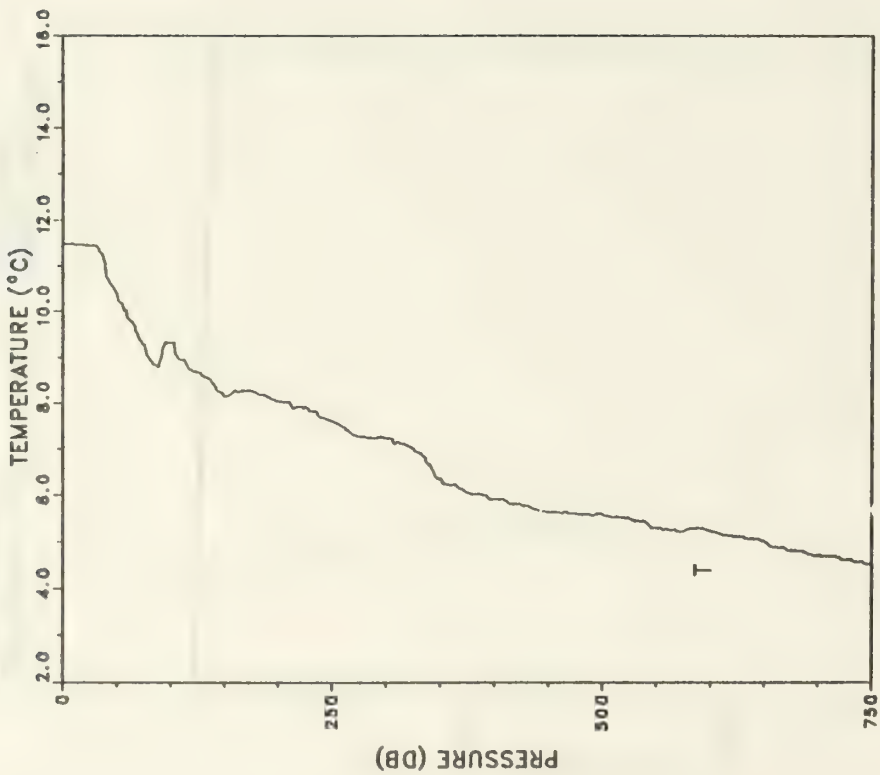


STATION: 119 LAT: 39 27.4 N LON: 124 26.8 W
 DATE: 3/23/87 TIME: 1048Z

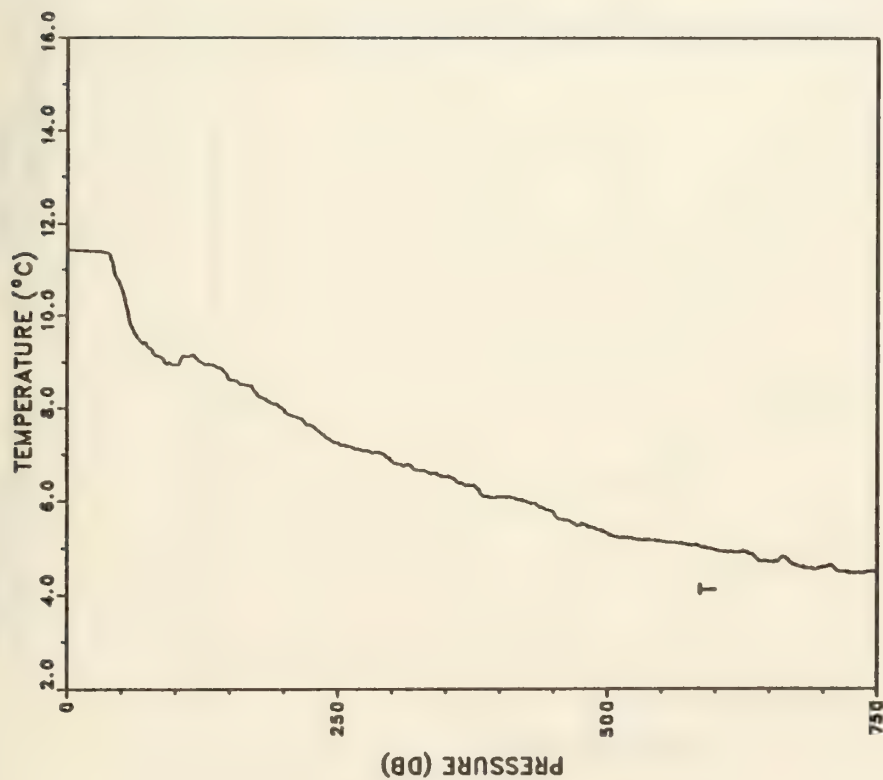
PRESS	TEMP	PRESS	TEMP
1	11.870	525	5.505
6	11.855	550	5.335
10	11.855	575	5.210
16	11.865	601	5.155
20	11.850	626	4.960
26	11.880	650	4.855
30	11.900	676	4.650
36	11.930	701	4.615
40	11.940	726	4.515
46	11.980	750	4.390
50	11.740		
60	10.560		
70	10.115		
81	9.855		
91	9.595		
100	9.460		
125	9.045		
151	8.660		
175	8.340		
200	7.945		
225	7.480		
250	7.090		
276	6.790		
300	6.580		
325	6.410		
350	6.210		
376	5.920		
400	5.750		
426	5.590		
450	5.505		
475	5.640		
501	5.560		

TEMP	5.510
PRESS	525
TEMP	5.305
PRESS	550
TEMP	5.225
PRESS	575
TEMP	5.225
PRESS	601
TEMP	5.120
PRESS	626
TEMP	5.015
PRESS	650
TEMP	4.825
PRESS	676
TEMP	4.710
PRESS	701
TEMP	4.615
PRESS	726
TEMP	4.510
PRESS	750

TEMP	11.480
PRESS	1
TEMP	11.475
PRESS	6
TEMP	11.475
PRESS	10
TEMP	11.465
PRESS	16
TEMP	11.450
PRESS	20
TEMP	11.445
PRESS	26
TEMP	11.435
PRESS	30
TEMP	11.280
PRESS	36
TEMP	10.910
PRESS	40
TEMP	10.540
PRESS	46
TEMP	10.405
PRESS	50
TEMP	9.890
PRESS	60
TEMP	9.435
PRESS	70
TEMP	8.950
PRESS	81
TEMP	9.000
PRESS	91
TEMP	9.325
PRESS	100
TEMP	8.660
PRESS	125
TEMP	8.160
PRESS	151
TEMP	8.270
PRESS	175
TEMP	8.045
PRESS	200
TEMP	7.930
PRESS	225
TEMP	7.610
PRESS	250
TEMP	7.280
PRESS	276
TEMP	7.250
PRESS	300
TEMP	7.000
PRESS	325
TEMP	6.360
PRESS	350
TEMP	6.050
PRESS	376
TEMP	5.920
PRESS	400
TEMP	5.785
PRESS	426
TEMP	5.640
PRESS	450
TEMP	5.610
PRESS	475
TEMP	5.575
PRESS	501



STATION: 120 LAT: 39 30.1 N LON: 124 42.1 W
 DATE: 3/23/87 TIME: 1341Z

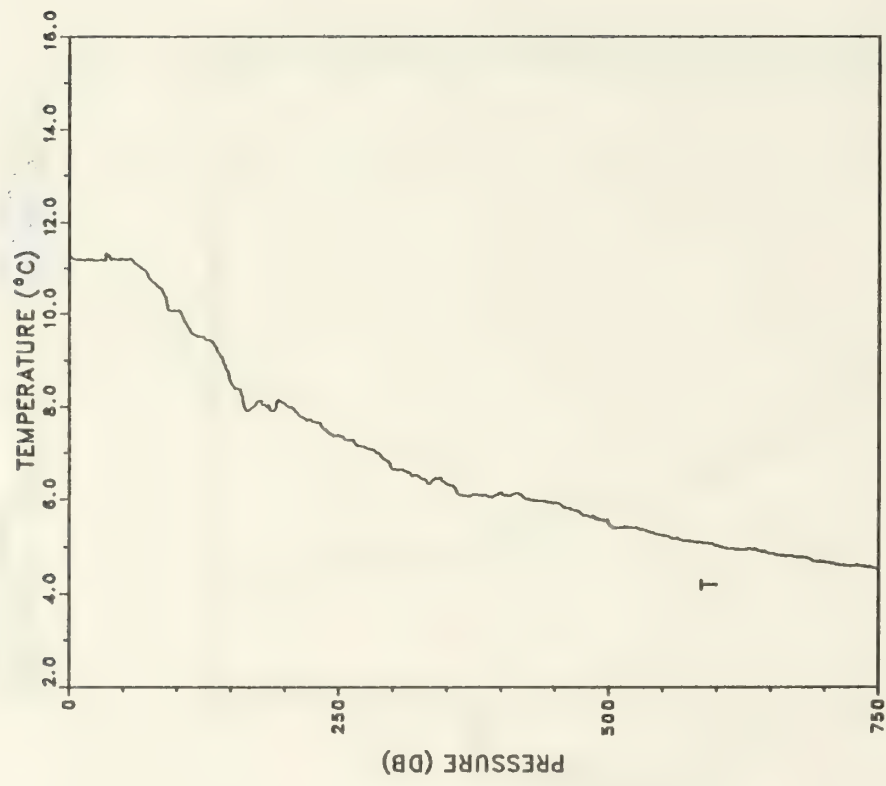


STATION: 121 LAT: 39 36.1 N LON: 124 46.2 W
 DATE: 3/23/87 TIME: 1453Z

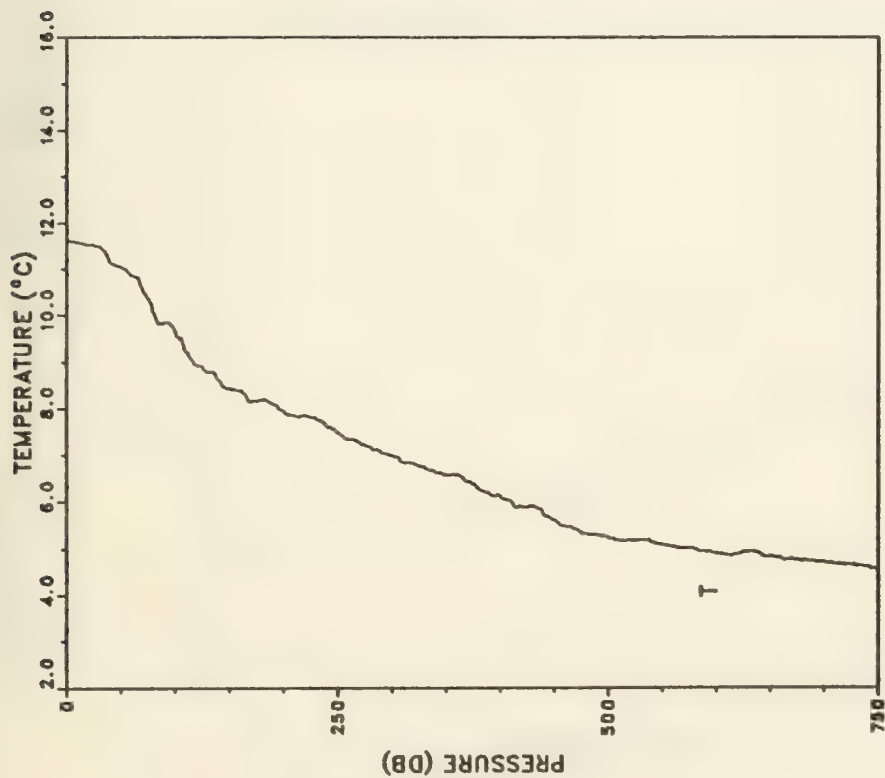
PRESS	TEMP	PRESS	TEMP
1	11.445	525	5.195
6	11.420	550	5.140
10	11.420	575	5.065
16	11.400	601	4.950
20	11.400	626	4.940
26	11.400	650	4.700
30	11.395	676	4.620
36	11.360	701	4.605
40	11.300	726	4.465
46	10.790	750	4.495
50	10.600		
60	9.760		
70	9.390		
81	9.155		
91	8.965		
100	8.950		
125	8.980		
151	8.610		
175	8.320		
200	7.965		
225	7.620		
250	7.260		
276	7.080		
300	6.860		
325	6.660		
350	6.520		
376	6.350		
400	6.090		
426	5.995		
450	5.770		
475	5.490		
501	5.300		

PRESS	TEMP
525	5.400
550	5.240
575	5.125
601	5.025
626	4.940
650	4.850
676	4.785
701	4.675
726	4.600
750	4.540

PRESS	TEMP
1	11.250
6	11.195
10	11.185
16	11.190
20	11.190
26	11.180
30	11.185
36	11.265
40	11.210
46	11.190
50	11.195
60	11.140
70	10.965
81	10.635
91	10.210
100	10.075
125	9.490
151	8.500
175	8.110
200	8.065
225	7.700
250	7.375
276	7.105
300	6.650
325	6.470
350	6.320
376	6.095
400	6.145
426	5.995
450	5.925
475	5.680
501	5.465



STATION: 122 LAT: 39 47.2 N LON: 124 38.6 W
 DATE: 3/23/87 TIME: 1806Z

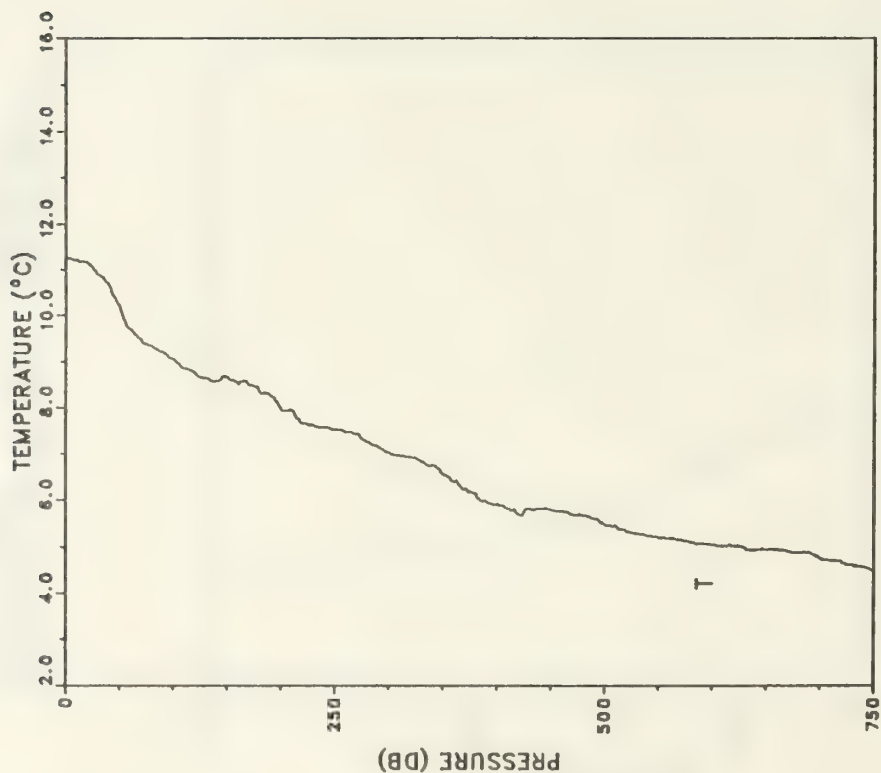


STATION: 123 LAT: 39 51.8 N LON: 124 27.5 W
 DATE: 3/23/87 TIME: 1918Z

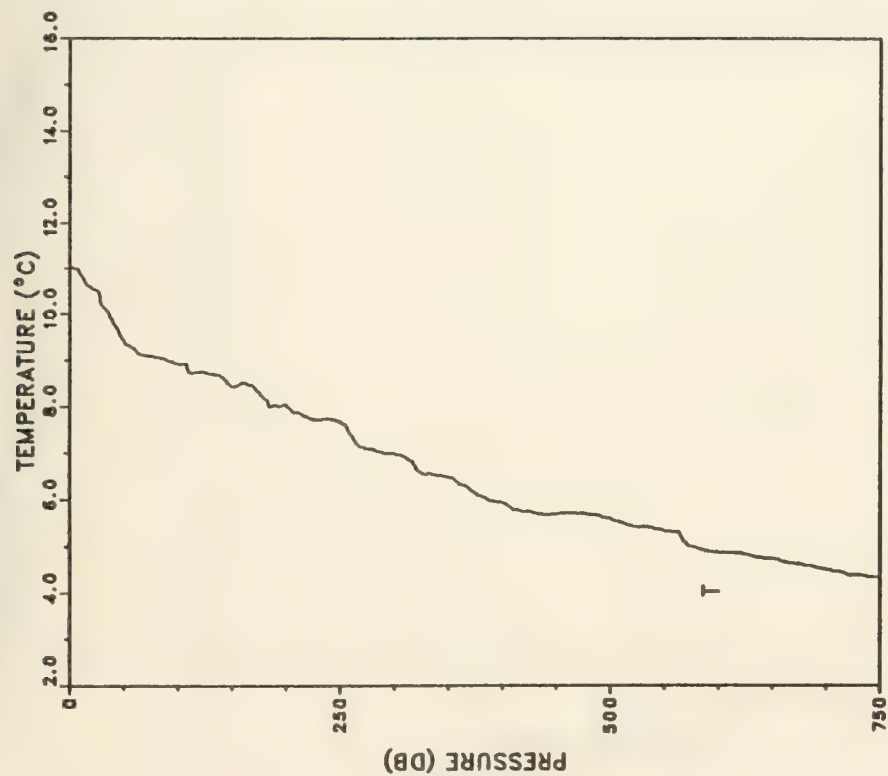
PRESS	TEMP	PRESS	TEMP
1	11.625	525	5.170
5	11.595	550	5.080
10	11.580	575	5.010
16	11.550	601	4.905
20	11.530	626	4.930
26	11.510	650	4.835
30	11.495	676	4.760
36	11.375	701	4.705
40	11.160	726	4.660
46	11.075	750	4.580
50	11.050		
60	10.870		
70	10.565		
81	10.035		
91	9.860		
100	9.670		
125	8.900		
151	8.440		
175	8.160		
200	7.945		
225	7.810		
250	7.485		
276	7.205		
300	6.990		
325	6.770		
350	6.580		
376	6.380		
400	6.120		
426	5.900		
450	5.630		
475	5.350		
501	5.215		

TEMP	PRESS
5.305	525
5.200	550
5.130	575
5.045	601
5.015	626
4.940	650
4.875	676
4.735	701
4.625	726
4.500	750

TEMP	PRESS
11.255	1
11.235	6
11.215	10
11.185	16
11.170	20
11.020	26
10.895	30
10.795	36
10.690	40
10.365	46
10.210	50
9.700	60
9.470	70
9.325	81
9.205	91
9.055	100
8.650	125
8.670	151
8.470	175
7.995	200
7.630	225
7.520	250
7.305	276
7.030	300
6.900	325
6.560	350
6.180	376
5.915	400
5.760	426
5.795	450
5.680	475
5.465	501

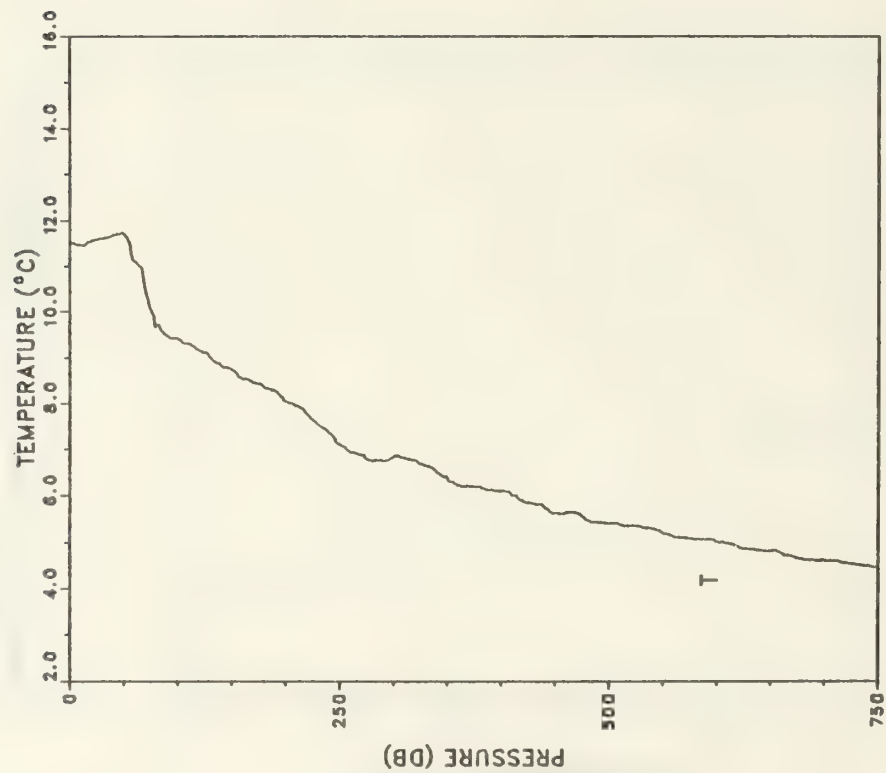


STATION: 124 LAT: 39 56.9 N LON: 124 15.8 W
 DATE: 3/23/87 TIME: 2030Z



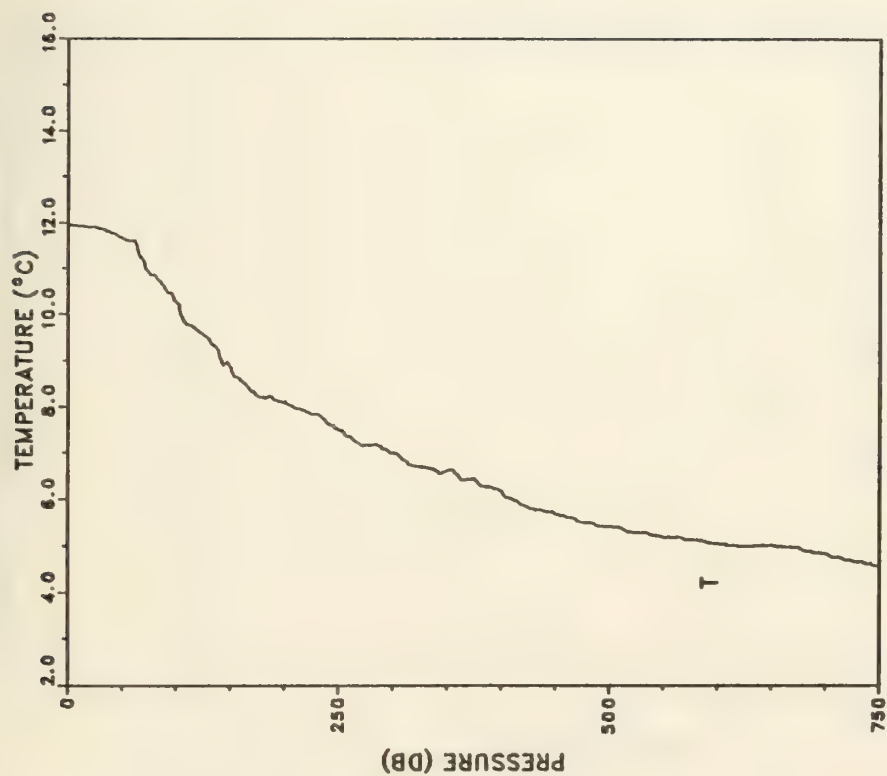
STATION: 125 LAT: 40 0.4 N LON: 124 15.9 W
 DATE: 3/23/87 TIME: 2153Z

PRESS	TEMP	PRESS	TEMP
1	11.040	525	5.415
6	10.995	550	5.325
10	10.885	575	4.995
16	10.845	601	4.860
20	10.580	626	4.820
26	10.525	650	4.735
30	10.190	676	4.610
36	10.045	701	4.500
40	9.830	726	4.385
46	9.540	750	4.340
50	9.415		
60	9.250		
70	9.095		
81	9.065		
91	8.970		
100	8.920		
125	8.735		
151	8.420		
175	8.310		
200	8.025		
225	7.740		
250	7.680		
276	7.100		
300	6.990		
325	6.580		
350	6.480		
376	6.130		
400	5.940		
426	5.745		
450	5.700		
475	5.700		
501	5.590		



PRESS	TEMP	PRESS	TEMP
1	11.525	525	5.350
6	11.480	550	5.175
10	11.460	575	5.085
16	11.495	601	5.005
20	11.550	626	4.855
26	11.585	650	4.810
30	11.600	676	4.655
36	11.635	701	4.605
40	11.670	726	4.530
46	11.705	750	4.470
50	11.710		
60	11.110		
70	10.520		
81	9.705		
91	9.450		
100	9.405		
125	9.100		
151	8.720		
175	8.420		
200	8.030		
225	7.640		
250	7.105		
276	6.780		
300	6.850		
325	6.680		
350	6.390		
376	6.195		
400	6.105		
426	5.835		
450	5.630		
475	5.560		
501	5.415		

STATION: 126 LAT: 40 0.3 N LON: 124 28.0 W
 DATE: 3/23/87 TIME: 2300Z



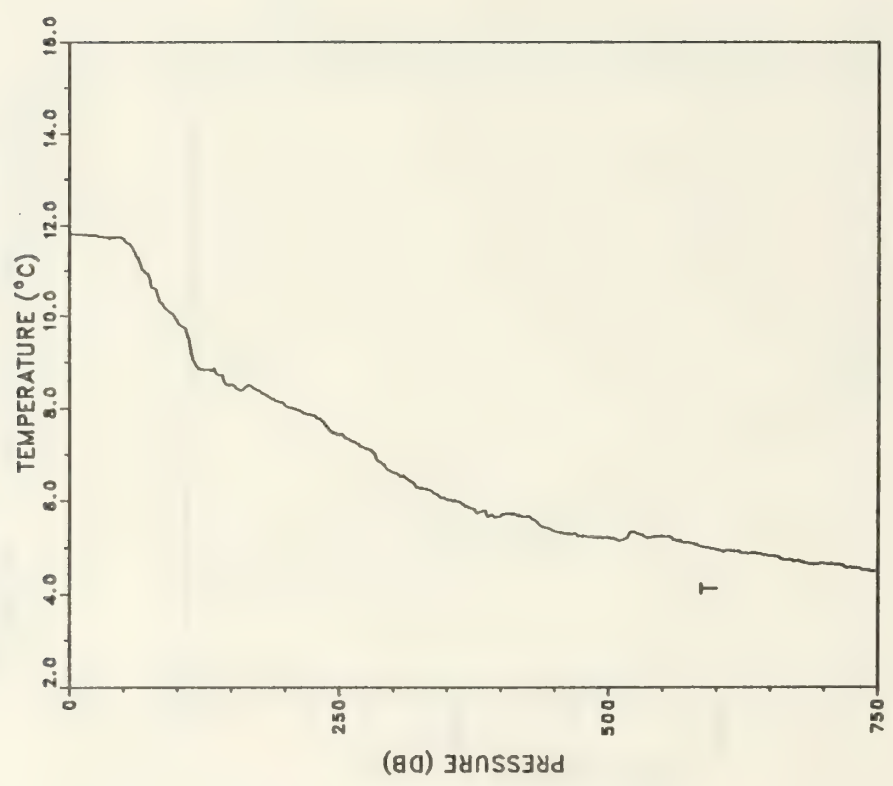
STATION: 127 LAT: 40 0.4 N LON: 124 40.1 W
 DATE: 3/24/87 TIME: 0006Z

PRESS	TEMP
1	11.965
6	11.940
10	11.935
16	11.915
20	11.900
26	11.905
30	11.870
36	11.815
40	11.780
46	11.710
50	11.670
60	11.600
70	11.170
81	10.850
91	10.520
100	10.275
125	9.560
151	8.830
175	8.240
200	8.095
225	7.840
250	7.515
276	7.180
300	7.000
325	6.710
350	6.630
376	6.440
400	6.175
426	5.820
450	5.690
475	5.510
501	5.425

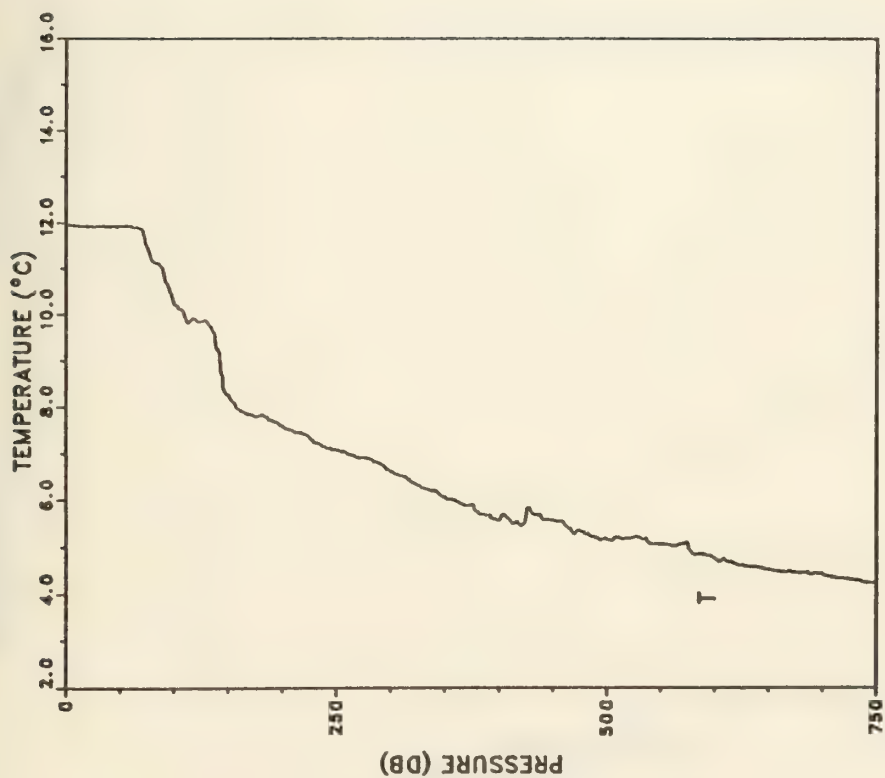
PRESS	TEMP
525	5.280
550	5.190
575	5.135
601	5.040
626	4.990
650	5.025
676	4.965
701	4.830
726	4.670
750	4.575

TEMP	5.320
PRESS	525
TEMP	5.240
PRESS	550
TEMP	5.100
PRESS	575
TEMP	4.955
PRESS	601
TEMP	4.890
PRESS	626
TEMP	4.825
PRESS	650
TEMP	4.720
PRESS	676
TEMP	4.670
PRESS	701
TEMP	4.570
PRESS	726
TEMP	4.510
PRESS	750

TEMP	11.820
PRESS	1
TEMP	11.810
PRESS	6
TEMP	11.810
PRESS	10
TEMP	11.795
PRESS	16
TEMP	11.780
PRESS	20
TEMP	11.775
PRESS	26
TEMP	11.750
PRESS	30
TEMP	11.730
PRESS	36
TEMP	11.730
PRESS	40
TEMP	11.740
PRESS	46
TEMP	11.705
PRESS	50
TEMP	11.440
PRESS	60
TEMP	10.975
PRESS	70
TEMP	10.565
PRESS	81
TEMP	10.125
PRESS	91
TEMP	9.895
PRESS	100
TEMP	8.825
PRESS	125
TEMP	8.510
PRESS	151
TEMP	8.400
PRESS	175
TEMP	8.075
PRESS	200
TEMP	7.850
PRESS	225
TEMP	7.430
PRESS	250
TEMP	7.135
PRESS	276
TEMP	6.610
PRESS	300
TEMP	6.280
PRESS	325
TEMP	6.030
PRESS	350
TEMP	5.810
PRESS	376
TEMP	5.675
PRESS	400
TEMP	5.680
PRESS	426
TEMP	5.360
PRESS	450
TEMP	5.240
PRESS	475
TEMP	5.220
PRESS	501

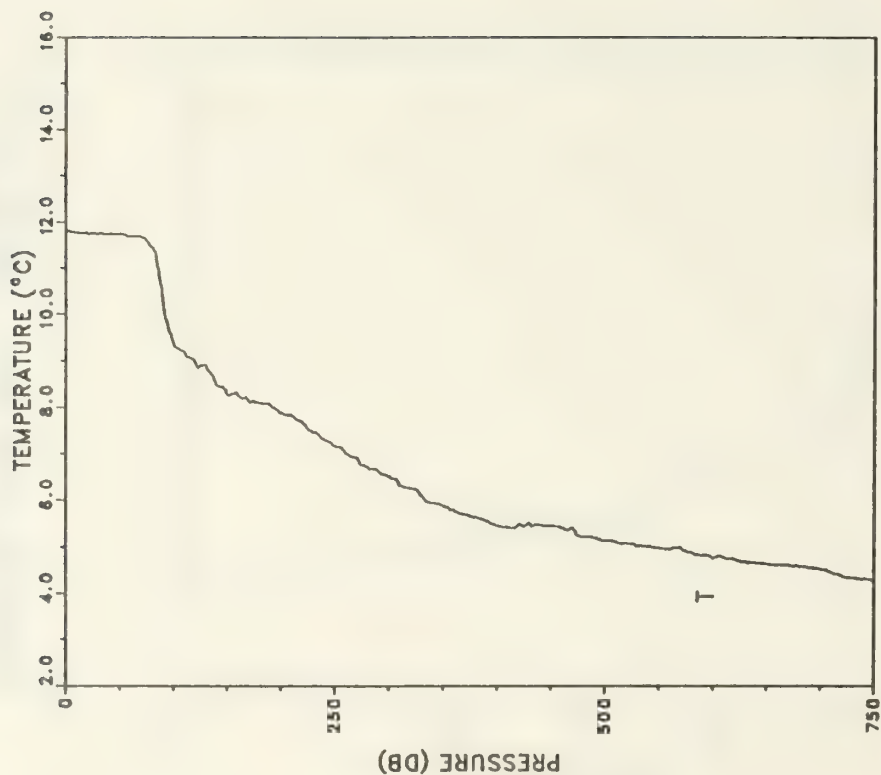


STATION: 128 LAT: 40 0.3 N LON: 124 52.1 W
 DATE: 3/24/87 TIME: 0111Z



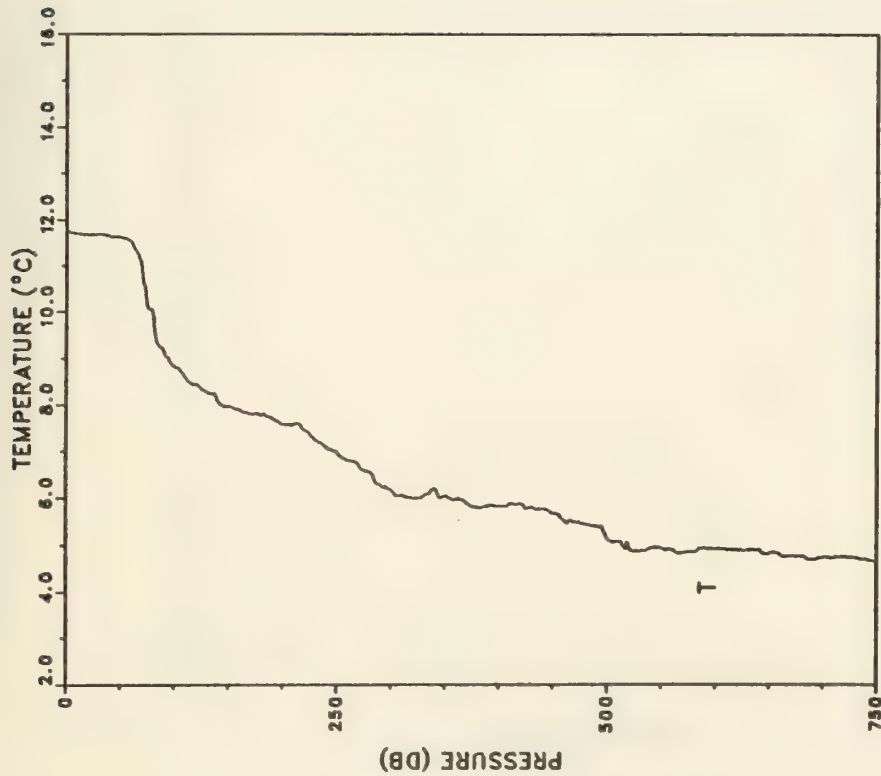
STATION: 760 LAT: 39 59.9 N LON: 125 5.6 W
 DATE: 3/24/87 TIME: 0248Z

TEMP	PRESS	TEMP	PRESS
5.205	525	11.965	1
5.060	550	11.945	6
5.075	575	11.945	10
4.740	601	11.925	16
4.615	626	11.930	20
4.520	650	11.915	26
4.453	676	11.925	30
4.420	701	11.920	36
4.315	726	11.920	40
4.240	750	11.915	46
		11.925	50
		11.920	60
		11.870	70
		11.155	81
		10.845	91
		10.265	100
		9.835	125
		8.250	151
		7.800	175
		7.595	200
		7.350	225
		7.075	250
		6.915	276
		6.620	300
		6.320	325
		6.070	350
		5.910	376
		5.555	400
		5.725	426
		5.575	450
		5.340	475
		5.155	501



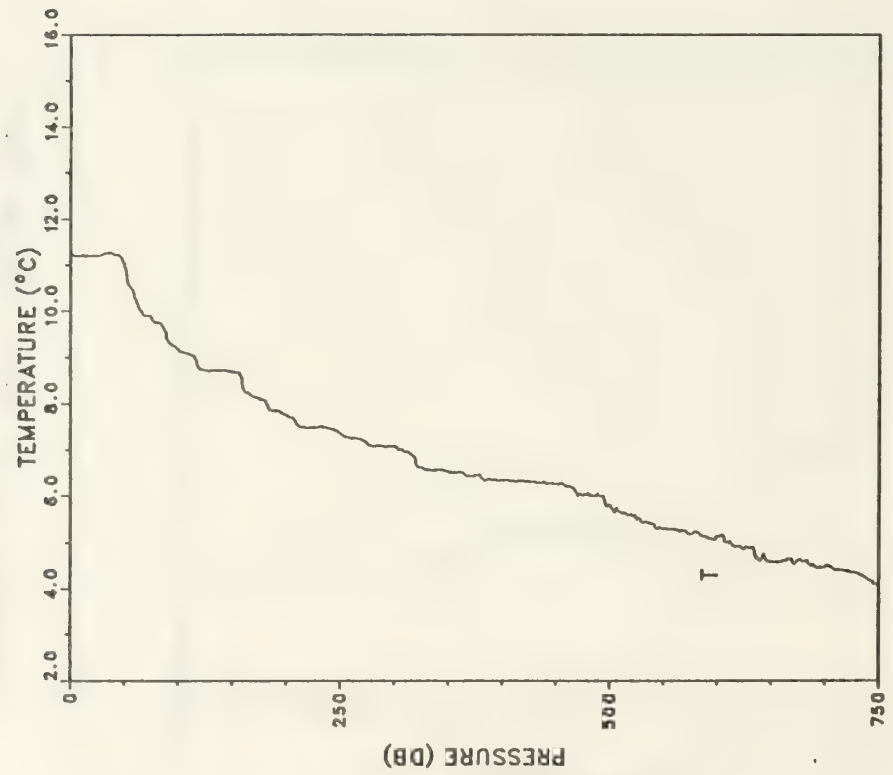
TEMP	PRESS	TEMP	PRESS
5.060	525	11.830	1
4.975	550	11.785	6
4.905	575	11.765	10
4.765	601	11.755	16
4.685	626	11.750	20
4.630	650	11.760	26
4.595	676	11.740	30
4.515	701	11.735	36
4.350	726	11.740	40
4.300	750	11.730	46
		11.730	50
		11.680	60
		11.670	70
		11.435	81
		10.105	91
		9.365	100
		8.895	125
		8.260	151
		8.130	175
		7.890	200
		7.530	225
		7.170	250
		6.755	276
		6.530	300
		6.230	325
		5.880	350
		5.655	376
		5.465	400
		5.455	426
		5.455	450
		5.250	475
		5.130	501

STATION: 129 LAT: 40 5.7 N LON: 124 56.0 W
 DATE: 3/24/87 TIME: 0348Z



STATION: 130 LAT: 40 9.8 N LON: 124 49.3 W
 DATE: 3/24/87 TIME: 0436Z

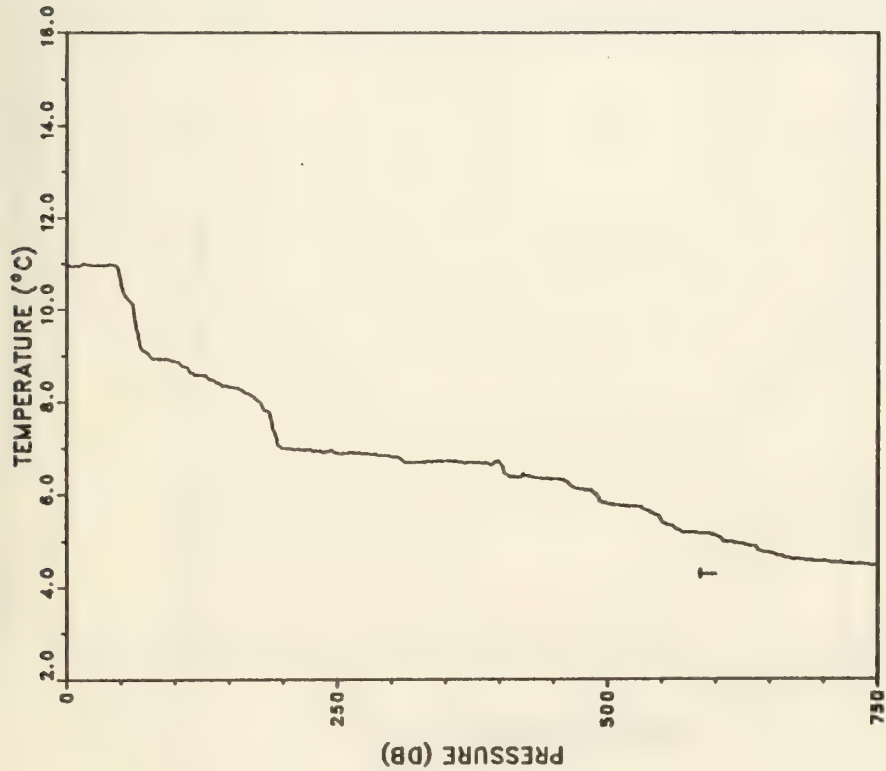
PRESS	TEMP	PRESS	TEMP
1	11.750	525	4.890
6	11.720	550	4.935
10	11.700	575	4.855
16	11.670	601	4.920
20	11.670	626	4.900
26	11.690	650	4.830
30	11.680	676	4.770
36	11.670	701	4.760
40	11.640	726	4.740
46	11.640	750	4.670
50	11.615		
60	11.540		
70	10.995		
81	9.895		
91	9.110		
100	8.830		
125	8.340		
151	7.980		
175	7.820		
200	7.585		
225	7.370		
250	6.990		
276	6.590		
300	6.180		
325	6.000		
350	6.050		
376	5.820		
400	5.840		
426	5.805		
450	5.690		
475	5.470		
501	5.115		



TEMP	PRESS
5.525	525
5.290	550
5.185	575
5.135	601
4.880	626
4.595	650
4.630	676
4.505	701
4.360	726
4.095	750

PRESS	TEMP
1	11.235
5	11.215
10	11.210
16	11.200
20	11.200
26	11.215
30	11.235
36	11.265
40	11.240
46	11.190
50	11.040
60	10.300
70	9.900
81	9.755
91	9.350
100	9.180
125	8.715
151	8.670
175	8.110
200	7.750
225	7.490
250	7.370
276	7.140
300	7.080
325	6.630
350	6.520
376	6.450
400	6.345
426	6.305
450	6.265
475	6.020
501	5.795

STATION: 131 LAT: 40 18.3 N LON: 124 38.9 W
 DATE: 3/24/87 TIME: 0541Z



STATION: 770 LAT: 40 21.8 N LON: 124 34.6 W
 DATE: 3/24/87 TIME: 0612Z

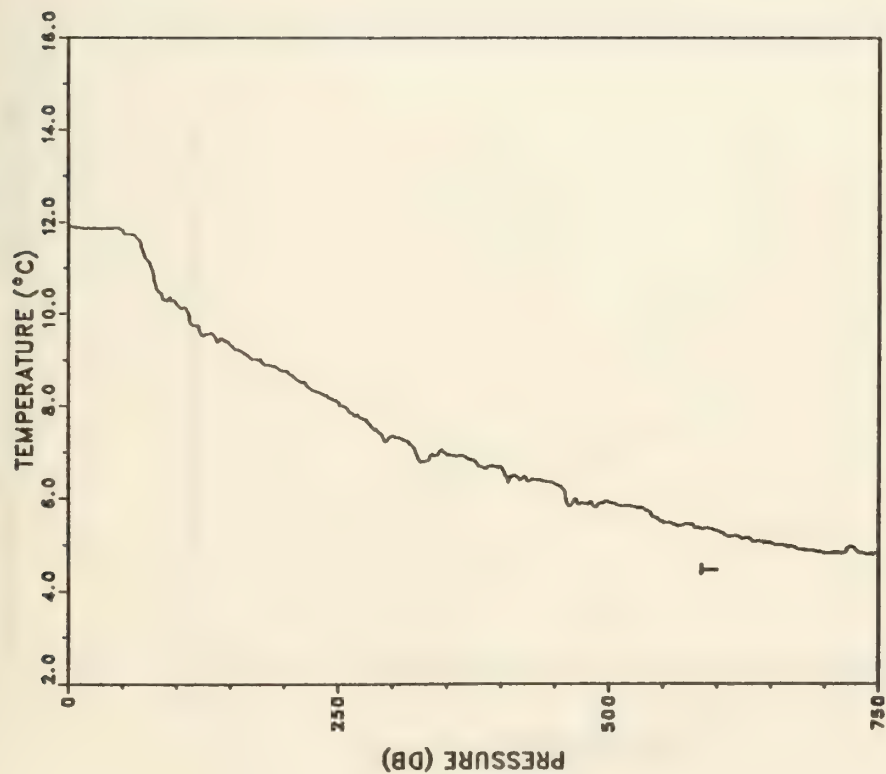
TEMP	PRESS
5.740	525
5.425	530
5.170	575
5.115	601
4.935	626
4.735	650
4.615	676
4.560	701
4.495	726
4.470	750

PRESS	TEMP
1	10.960
6	10.955
10	10.950
16	11.000
20	10.970
26	10.970
30	10.975
36	10.975
40	10.990
46	10.935
50	10.640
60	10.150
70	9.120
81	8.940
91	8.935
100	8.880
125	8.575
151	8.330
175	8.060
200	7.000
225	6.980
250	6.900
276	6.885
300	6.820
325	6.700
350	6.730
376	6.690
400	6.595
426	6.400
450	6.330
475	6.110
501	5.800

TEMP	PRESS	TEMP	PRESS
5.290	525	12.250	1
5.180	550	12.205	6
5.080	575	12.180	10
5.000	601	12.170	16
4.895	626	12.160	20
4.810	650	12.160	26
4.680	676	12.145	30
4.675	701	12.150	36
4.345	726	12.150	40
4.180	750	12.140	46
		12.130	50
		11.640	60
		11.415	70
		11.080	81
		11.040	91
		10.885	100
		10.130	125
		9.190	151
		8.980	175
		7.830	200
		7.750	225
		7.270	250
		6.905	276
		6.620	300
		6.370	325
		6.290	350
		6.110	376
		5.845	400
		5.715	426
		5.610	450
		5.440	475
		5.425	501

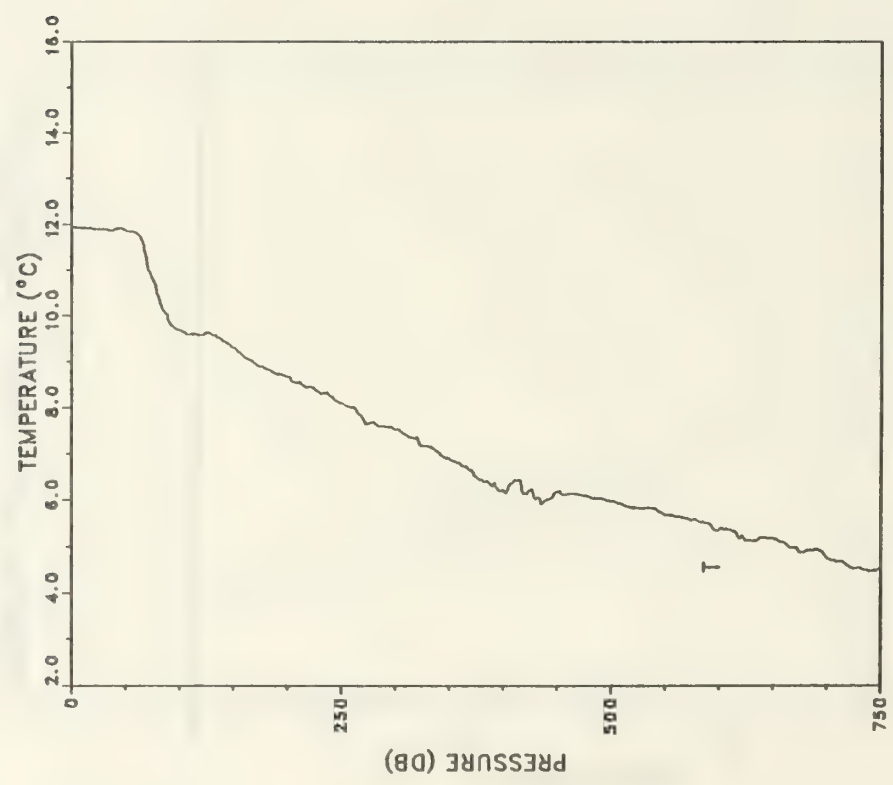


STATION: 950 LAT: 39 59.9 N LON: 125 28.2 W
DATE: 3/25/87 TIME: 1748Z



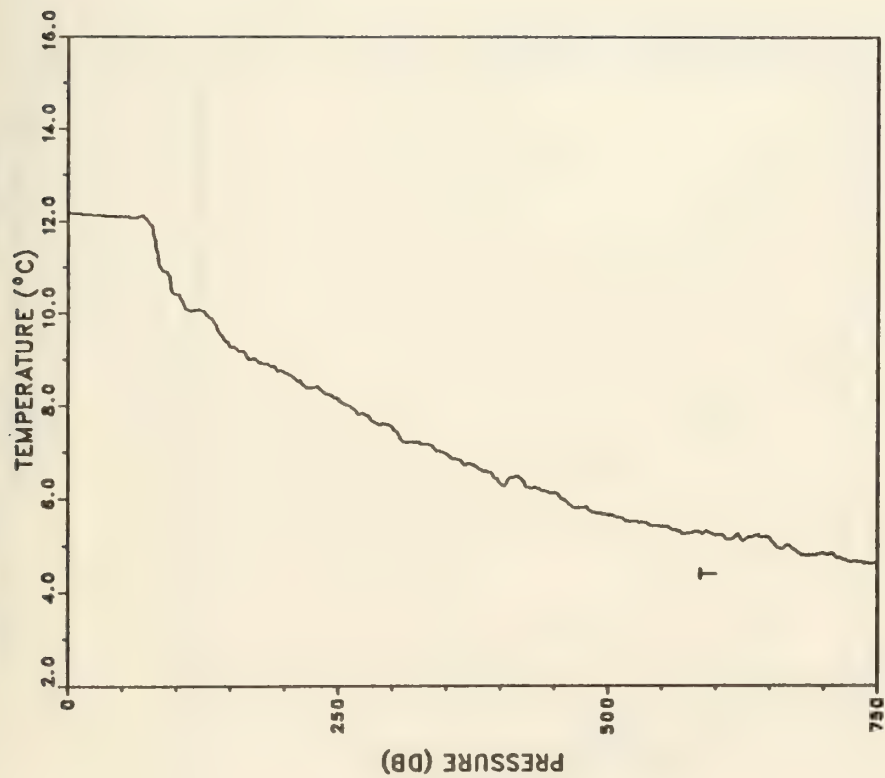
STATION: 949 LAT: 39 53.2 N LON: 125 24.7 W
 DATE: 3/25/87 TIME: 1830Z

PRESS	TEMP	PRESS	TEMP
1	11.920	525	5.805
6	11.895	550	5.505
10	11.880	575	5.430
16	11.865	601	5.290
20	11.860	626	5.135
26	11.860	650	5.030
30	11.855	676	4.895
36	11.870	701	4.815
40	11.870	726	4.945
46	11.865	750	4.810
50	11.820		
60	11.720		
70	11.315		
81	10.615		
91	10.285		
100	10.220		
125	9.520		
151	9.300		
175	9.010		
200	8.760		
225	8.340		
250	8.070		
276	7.690		
300	7.340		
325	6.800		
350	6.940		
376	6.815		
400	6.675		
426	6.375		
450	6.305		
475	5.910		
501	5.900		



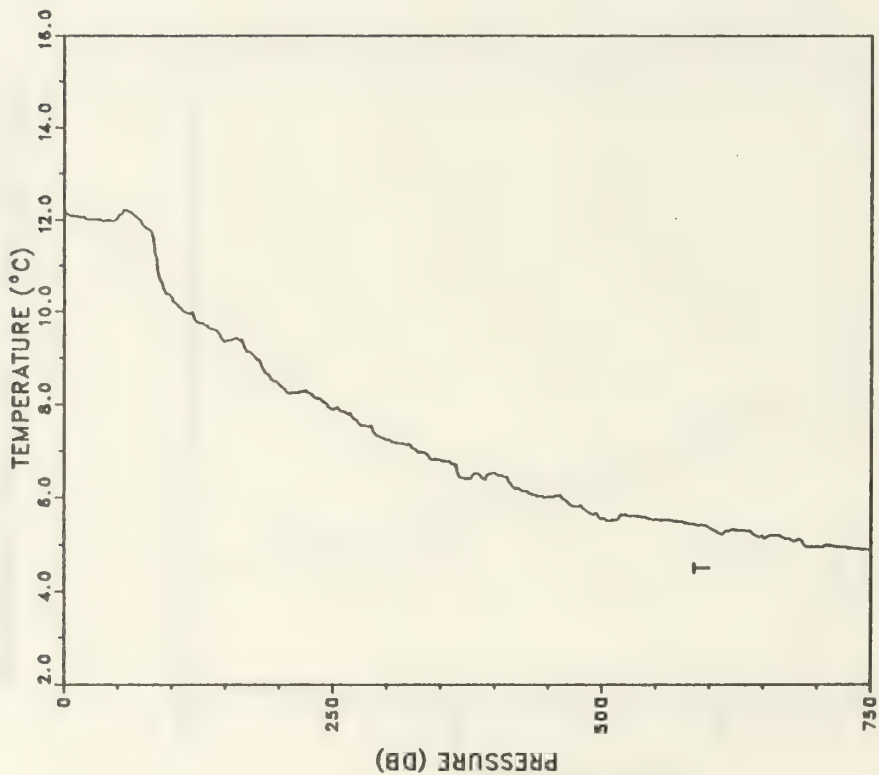
TEMP	PRESS	TEMP	PRESS
5.830	525	11.940	1
5.695	550	11.920	6
5.585	575	11.915	10
5.390	601	11.905	16
5.130	626	11.900	20
5.185	650	11.895	26
4.880	676	11.895	30
4.745	701	11.860	36
4.540	726	11.890	40
4.530	750	11.915	46
		11.860	50
		11.810	60
		11.190	70
		10.415	81
		9.830	91
		9.690	100
		9.610	125
		9.300	151
		8.890	175
		8.665	200
		8.400	225
		8.100	250
		7.665	276
		7.540	300
		7.180	325
		6.900	350
		6.480	376
		6.225	400
		6.235	426
		6.200	450
		6.100	475
		5.980	501

STATION: 948 LAT: 39 46.3 N LON: 125 19.6 W
 DATE: 3/25/87 TIME: 1912Z



STATION: 947 LAT: 39 39.1 N LON: 125 13.5 W
 DATE: 3/25/87 TIME: 2000Z

TEMP	PRESS	TEMP	PRESS
5.530	525	12.195	1
5.415	550	12.165	6
5.250	575	12.165	10
5.225	601	12.150	16
5.100	626	12.150	20
5.165	650	12.135	26
4.860	676	12.140	30
4.825	701	12.110	36
4.660	726	12.110	40
4.615	750	12.105	46
		12.105	50
		12.080	60
		12.125	70
		11.580	81
		10.920	91
		10.420	100
		10.050	125
		9.270	151
		8.970	175
		8.725	200
		8.380	225
		8.140	250
		7.795	276
		7.530	300
		7.220	325
		6.960	350
		6.720	376
		6.335	400
		6.240	426
		6.135	450
		5.820	475
		5.655	501



TEMP	PRESS	TEMP	PRESS
5.620	525	12.145	1
5.540	550	12.095	6
5.485	575	12.085	10
5.330	601	12.050	16
5.305	626	12.030	20
5.170	650	12.015	26
5.100	676	12.005	30
4.955	701	11.980	36
4.940	726	11.980	40
4.875	750	11.980	46
		12.040	50
		12.180	60
		12.010	70
		11.760	81
		10.615	91
		10.320	100
		9.745	125
		9.360	151
		9.070	175
		8.410	200
		8.270	225
		7.880	250
		7.555	276
		7.240	300
		7.060	325
		6.800	350
		6.410	376
		6.540	400
		6.150	426
		6.020	450
		5.820	475
		5.545	501

STATION: 946 LAT: 39 32.5 N LON: 125 8.6 W
 DATE: 3/25/87 TIME: 2041Z



STATION: 945 LAT: 39 25.2 N LON: 125 4.5 W
 DATE: 3/25/87 TIME: 2123Z

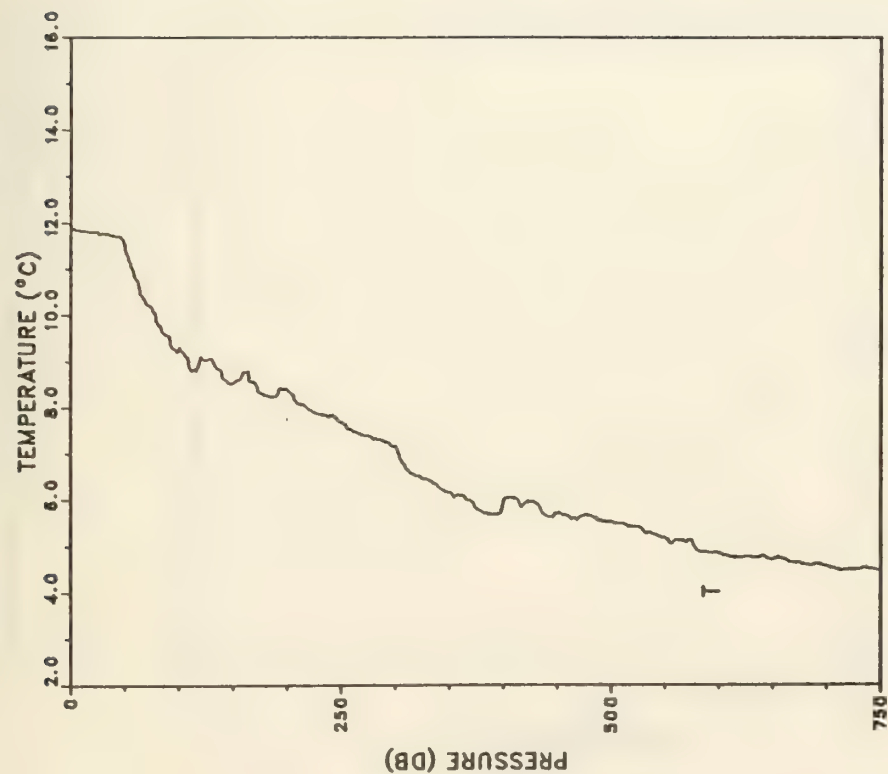
PRESS	TEMP	PRESS	TEMP
1	11.905	525	5.685
6	11.895	550	5.560
10	11.890	575	5.500
16	11.870	601	5.425
20	11.860	626	5.275
26	11.840	650	5.180
30	11.850	676	5.060
36	11.820	701	4.980
40	11.800	726	4.905
46	11.800	750	4.725
50	11.800		
60	11.780		
70	11.570		
81	10.835		
91	9.935		
100	9.645		
125	9.155		
151	8.560		
175	8.480		
200	8.025		
225	7.580		
250	7.270		
276	7.110		
300	7.300		
325	6.930		
350	6.640		
376	6.435		
400	6.290		
426	6.010		
450	5.780		
475	5.940		
501	5.830		

PRESS	TEMP
525	5.195
550	5.050
575	5.025
601	5.000
626	4.935
650	4.920
676	4.875
701	4.845
726	4.760
750	4.710

PRESS	TEMP
1	11.860
6	11.940
10	11.890
16	11.840
20	11.800
26	11.780
30	11.755
36	11.750
40	11.740
46	11.730
50	11.735
60	11.590
70	10.670
81	10.410
91	9.600
100	9.385
125	8.970
151	8.540
175	8.460
200	8.215
225	7.970
250	7.770
276	7.430
300	7.140
325	6.720
350	6.590
376	6.495
400	6.295
426	6.120
450	5.500
475	5.770
501	5.805



STATION: 944 LAT: 39 17.3 N LON: 124 58.4 W
 DATE: 3/25/87 TIME: 2211Z



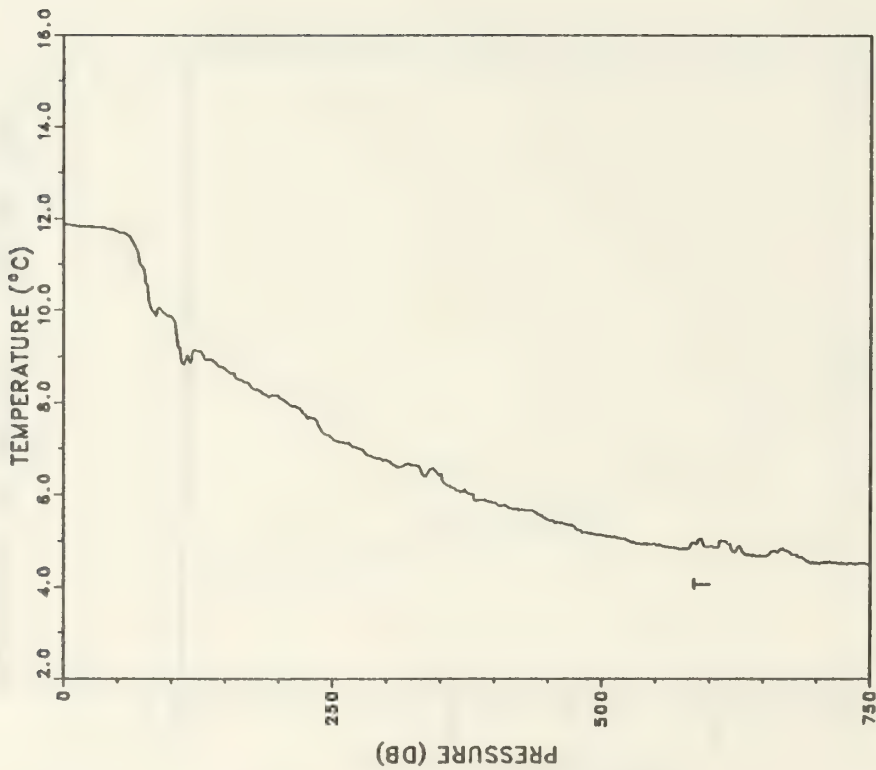
STATION: 943 LAT: 39 11.2 N LON: 124 53.8 W
 DATE: 3/25/87 TIME: 2253Z

TEMP	PRESS
5.430	525
5.175	550
5.130	575
4.855	601
4.770	626
4.710	650
4.630	676
4.565	701
4.480	726
4.485	750

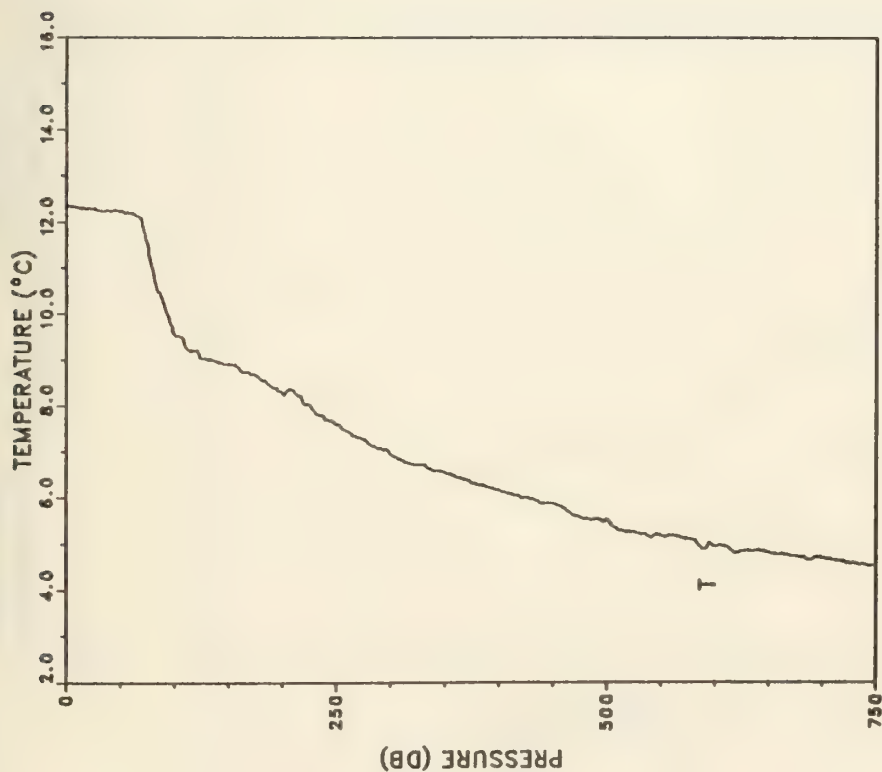
PRESS	TEMP
1	11.885
6	11.850
10	11.825
16	11.805
20	11.810
26	11.780
30	11.765
36	11.750
40	11.720
46	11.680
50	11.540
60	10.800
70	10.265
81	9.815
91	9.560
100	9.260
125	9.020
151	8.530
175	8.320
200	8.390
225	7.910
250	7.685
276	7.385
300	7.180
325	6.460
350	6.170
376	5.810
400	5.980
426	5.960
450	5.700
475	5.670
501	5.520

PRESS	TEMP
525	5.015
550	4.925
575	4.835
601	4.895
626	4.825
650	4.670
676	4.745
701	4.530
726	4.510
750	4.490

PRESS	TEMP
1	11.895
5	11.865
10	11.855
16	11.830
20	11.830
26	11.815
30	11.800
36	11.795
40	11.770
46	11.760
50	11.720
60	11.620
70	11.160
81	10.070
91	9.995
100	9.850
125	9.115
151	8.710
175	8.320
200	8.135
225	7.740
250	7.220
276	6.995
300	6.740
325	6.640
350	6.440
376	6.030
400	5.830
426	5.675
450	5.465
475	5.300
501	5.110



STATION: 942 LAT: 39 3.2 N LON: 124 47.9 W
 DATE: 3/25/87 TIME: 2341Z

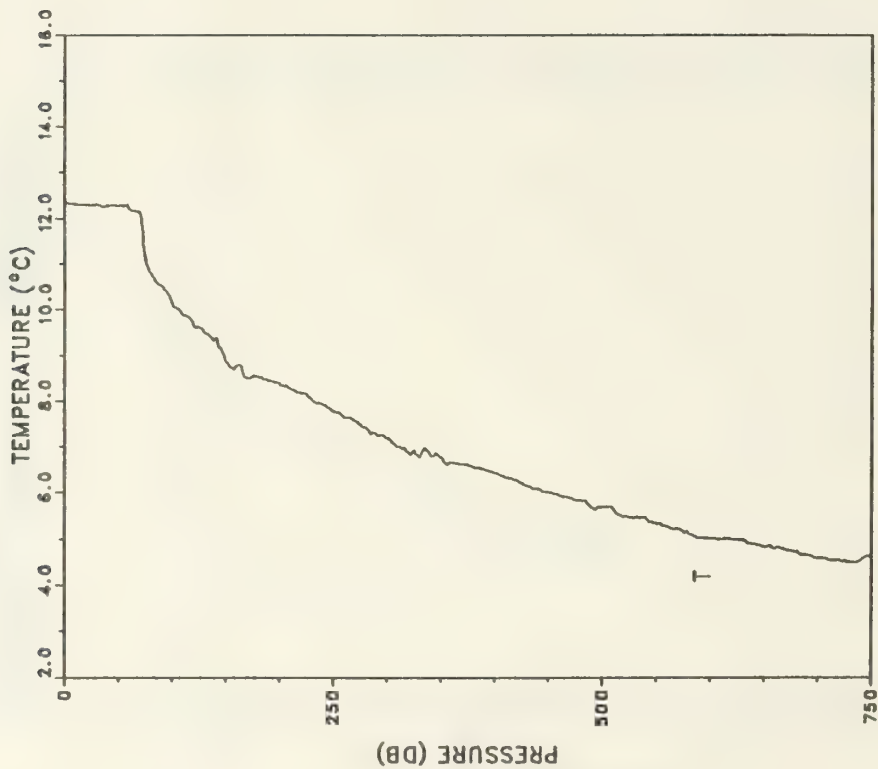


STATION: 941 LAT: 38 57.1 N LON: 124 44.8 W
 DATE: 3/26/87 TIME: 0023Z

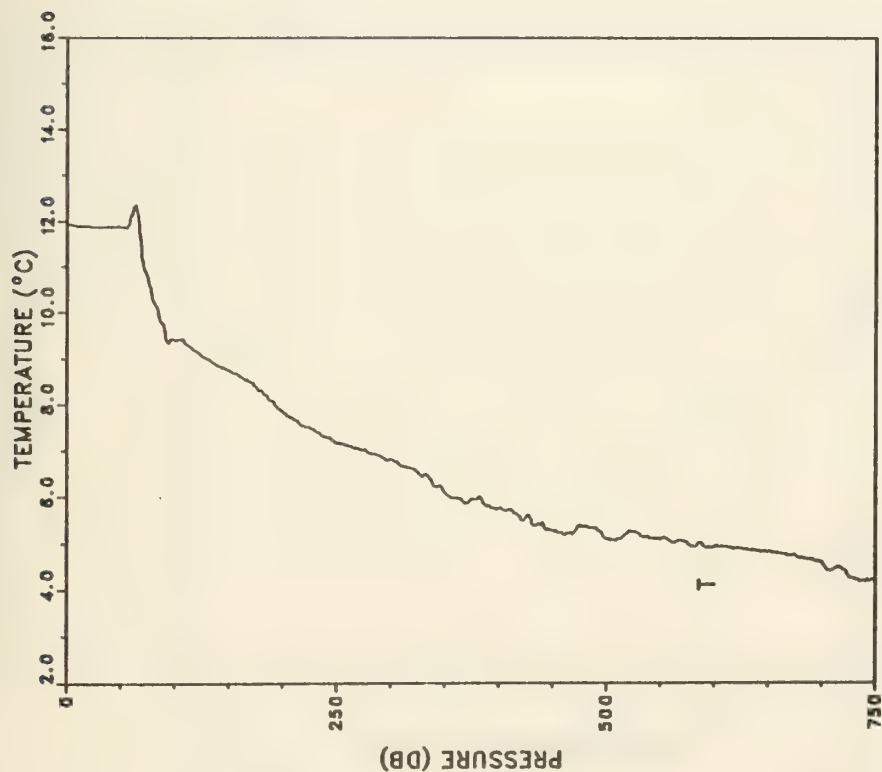
TEMP	PRESS	TEMP	PRESS
5.260	525	12.360	1
5.165	550	12.360	6
5.095	575	12.325	10
4.940	601	12.305	16
4.845	626	12.300	20
4.815	650	12.290	26
4.735	676	12.250	30
4.695	701	12.240	36
4.575	726	12.250	40
4.520	750	12.260	46
		12.245	50
		12.190	60
		12.015	70
		10.855	81
		10.140	91
		9.545	100
		9.035	125
		8.910	151
		8.670	175
		8.275	200
		8.030	225
		7.595	250
		7.270	276
		6.940	300
		6.710	325
		6.550	350
		6.315	376
		6.165	400
		6.010	426
		5.875	450
		5.560	475
		5.535	501

PRESS	TEMP
525	5.470
550	5.340
575	5.165
601	5.020
626	4.990
650	4.830
676	4.740
701	4.600
726	4.530
750	4.630

PRESS	TEMP
1	12.370
6	12.325
10	12.315
16	12.310
20	12.300
26	12.295
30	12.300
36	12.260
40	12.280
46	12.290
50	12.270
60	12.220
70	12.130
81	10.775
91	10.500
100	10.165
125	9.615
151	8.860
175	8.550
200	8.370
225	8.140
250	7.765
276	7.465
300	7.180
325	6.910
350	6.770
376	6.590
400	6.430
426	6.210
450	6.010
475	5.840
501	5.695

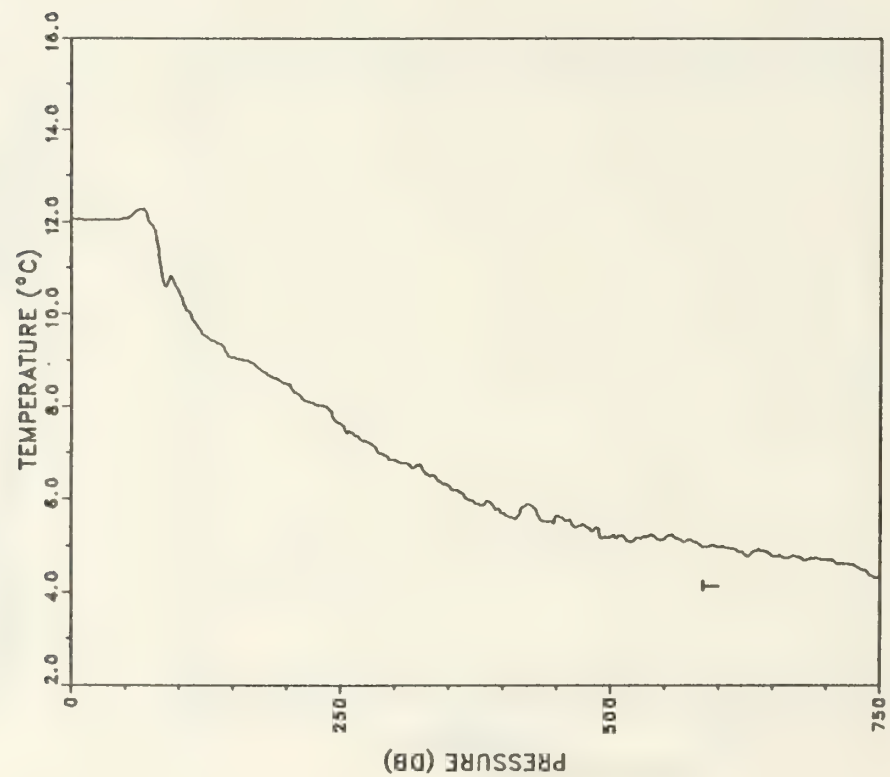


STATION: 911 LAT: 38 49.8 N LON: 124 40.3 W
 DATE: 3/26/87 TIME: 0106Z



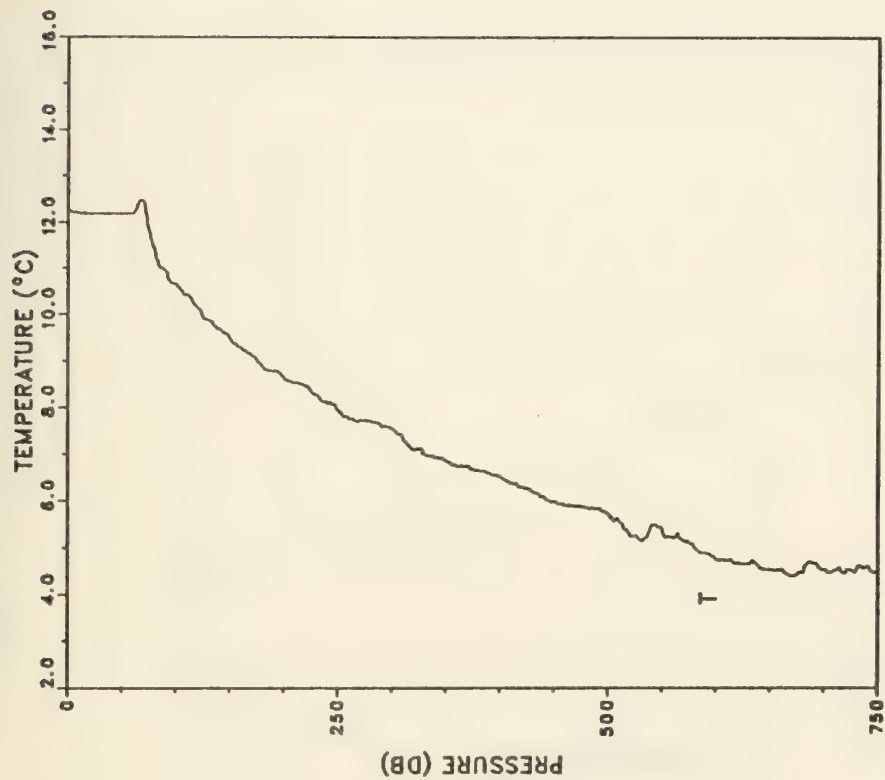
STATION: 910 LAT: 38 43.1 N LON: 124 35.1 W
 DATE: 3/26/87 TIME: 0153Z

PRESS	TEMP	PRESS	TEMP
1	11.920	525	5.250
6	11.910	550	5.085
10	11.900	575	5.020
16	11.885	601	4.940
20	11.890	626	4.890
26	11.880	650	4.820
30	11.880	676	4.730
36	11.875	701	4.590
40	11.870	726	4.285
46	11.885	750	4.225
50	11.880		
60	12.150		
70	11.195		
81	10.235		
91	9.600		
100	9.405		
125	9.055		
151	8.750		
175	8.390		
200	7.840		
225	7.500		
250	7.165		
276	7.030		
300	6.810		
325	6.540		
350	6.100		
376	5.955		
400	5.760		
426	5.575		
450	5.285		
475	5.390		
501	5.090		



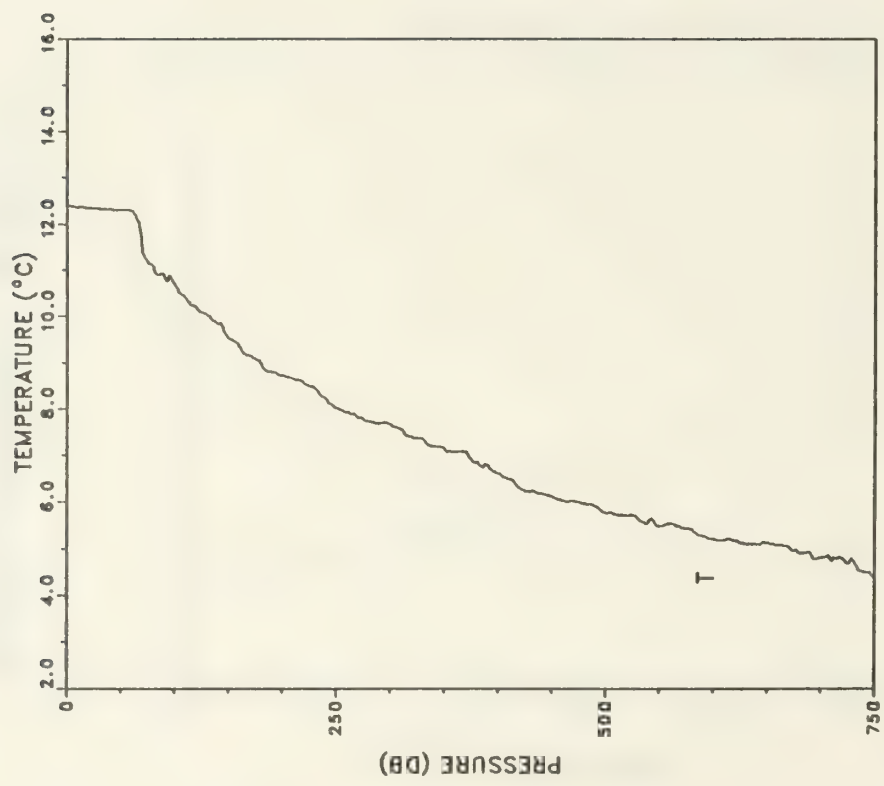
PRESS	TEMP	PRESS	TEMP
1	12.065	525	5.160
6	12.055	550	5.135
10	12.040	575	5.120
16	12.040	601	4.965
20	12.040	626	4.785
26	12.045	650	4.790
30	12.055	676	4.750
36	12.045	701	4.705
40	12.050	726	4.590
46	12.060	750	4.325
50	12.065		
60	12.240		
70	12.160		
81	11.425		
91	10.760		
100	10.475		
125	9.510		
151	9.070		
175	8.800		
200	8.490		
225	8.060		
250	7.620		
276	7.225		
300	6.840		
325	6.700		
350	6.300		
376	5.900		
400	5.705		
426	5.865		
450	5.645		
475	5.450		
501	5.200		

STATION: 909 LAT: 38 35.9 N LON: 124 30.2 W
 DATE: 3/26/87 TIME: 0236Z



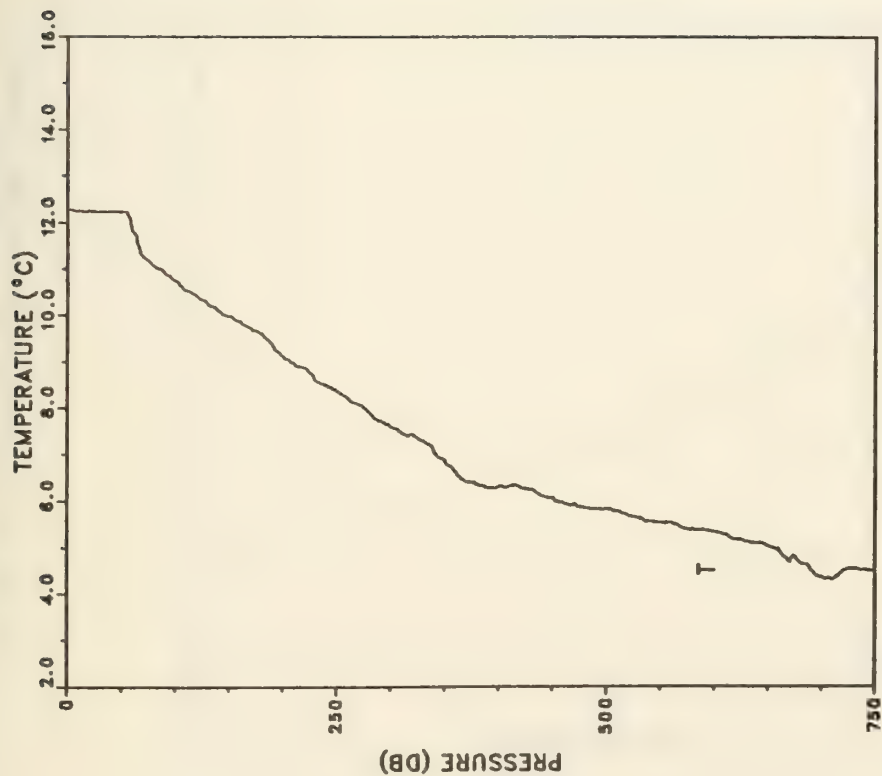
STATION: 908 LAT: 38 28.2 N LON: 124 25.7 W
 DATE: 3/26/87 TIME: 0330Z

TEMP	PRESS	TEMP	PRESS
5.260	525	12.240	1
5.415	550	12.210	6
5.115	575	12.205	10
4.740	601	12.195	16
4.650	626	12.190	20
4.535	650	12.185	26
4.430	676	12.180	30
4.530	701	12.180	36
4.510	726	12.180	40
4.455	750	12.185	46
		12.180	50
		12.190	60
		12.455	70
		11.335	81
		10.915	91
		10.660	100
		9.935	125
		9.450	151
		9.030	175
		8.640	200
		8.340	225
		7.935	250
		7.720	276
		7.540	300
		7.100	325
		6.850	350
		6.680	376
		6.535	400
		6.265	426
		5.985	450
		5.870	475
		5.705	501



TEMP	PRESS	TEMP	PRESS
5.720	525	12.395	1
5.495	550	12.390	6
5.440	575	12.360	10
5.205	601	12.365	16
5.130	626	12.350	20
5.130	650	12.340	26
4.965	676	12.325	30
4.815	701	12.315	36
4.685	726	12.330	40
4.380	750	12.310	46
		12.310	50
		12.280	60
		11.490	70
		11.070	81
		10.835	91
		10.705	100
		10.090	125
		9.510	151
		9.080	175
		8.710	200
		8.480	225
		8.010	250
		7.765	276
		7.670	300
		7.370	325
		7.140	350
		6.875	376
		6.600	400
		6.220	426
		6.120	450
		6.000	475
		5.765	501

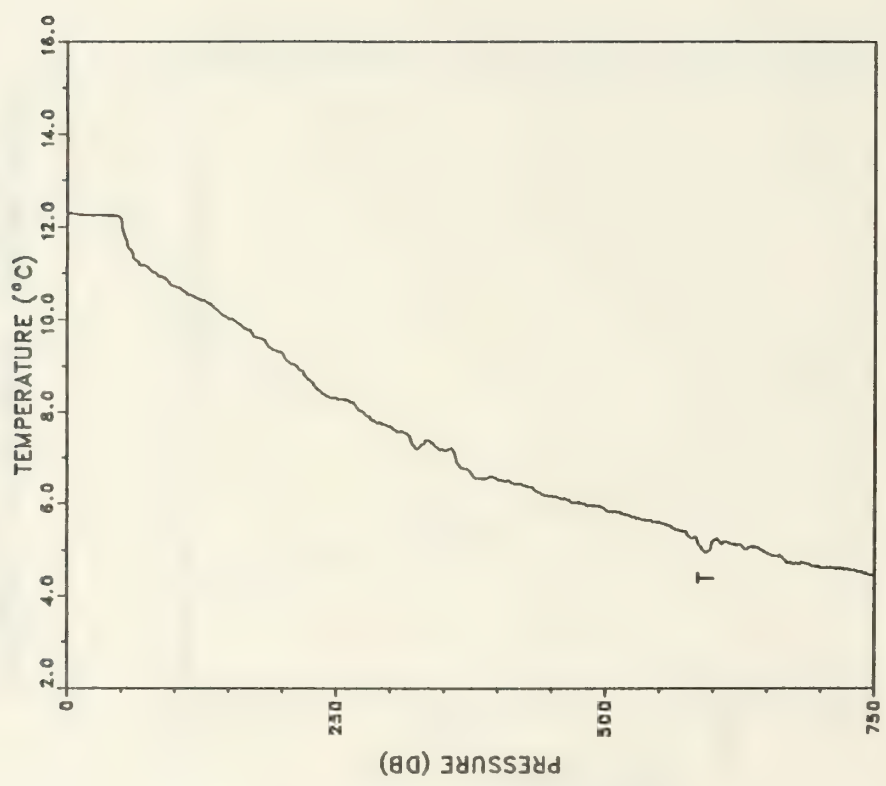
STATION: 907 LAT: 38 21.6 N LON: 124 20.8 W
 DATE: 3/26/87 TIME: 0417Z



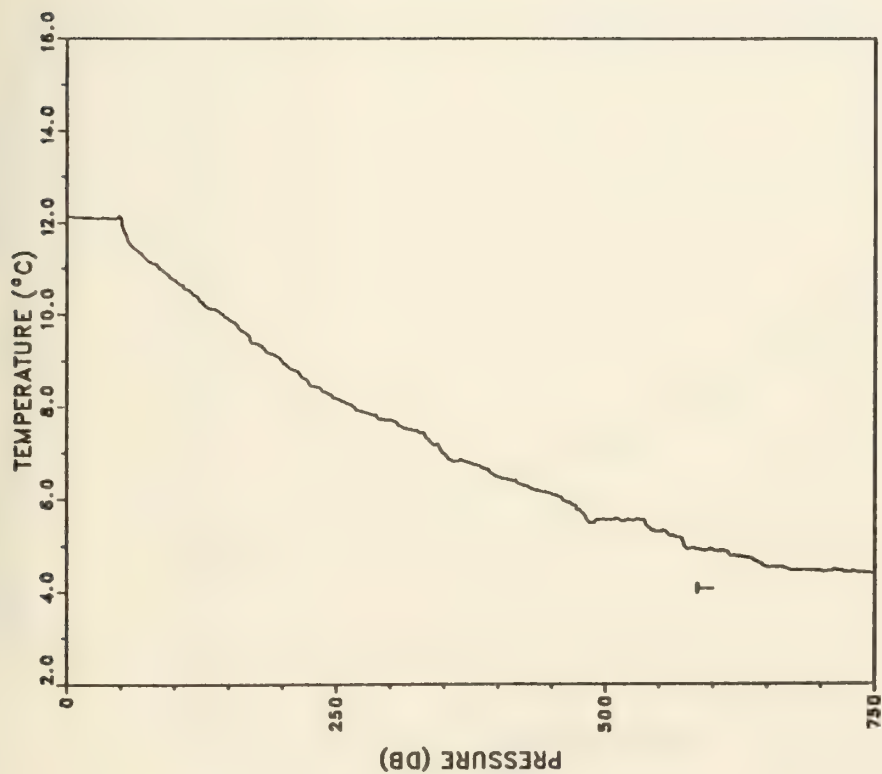
STATION: 906 LAT: 38 14.5 N LON: 124 15.6 W
 DATE: 3/26/87 TIME: 0453Z

TEMP	PRESS	TEMP	PRESS
5.665	525	12.280	1
5.545	550	12.265	6
5.390	575	12.255	10
5.340	601	12.240	16
5.165	626	12.250	20
5.035	650	12.230	26
4.790	676	12.230	30
4.360	701	12.235	36
4.545	726	12.240	40
4.505	750	12.235	46
		11.840	50
		11.265	60
		11.060	70
		10.880	81
		10.740	91
		10.330	100
		9.980	125
		9.670	151
		9.105	175
		8.750	200
		8.365	225
		8.000	250
		7.590	276
		7.340	300
		6.880	325
		6.405	350
		6.320	376
		6.270	400
		6.060	426
		5.870	450
		5.830	475
			501

PRESS	TEMP	PRESS	TEMP
1	12.300	525	5.720
6	12.280	550	5.595
10	12.270	575	5.385
16	12.260	601	5.220
20	12.250	626	5.110
26	12.245	650	4.940
30	12.260	676	4.710
36	12.245	701	4.625
40	12.240	726	4.585
46	12.230	750	4.455
50	12.160		
60	11.490		
70	11.170		
81	11.020		
91	10.900		
100	10.720		
125	10.410		
151	10.010		
175	9.620		
200	9.270		
225	8.690		
250	8.290		
276	7.985		
300	7.680		
325	7.200		
350	7.160		
376	6.640		
400	6.520		
426	6.385		
450	6.175		
475	6.040		
501	5.850		



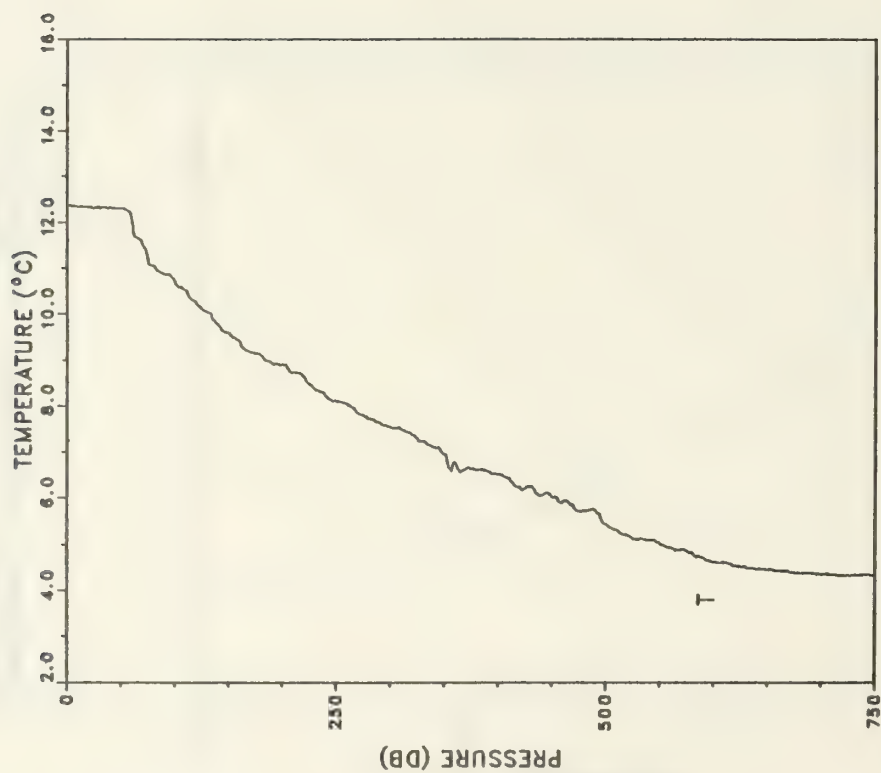
STATION: 905 LAT: 38 6.6 N LON: 124 10.8 W
 DATE: 3/26/87 TIME: 0541Z



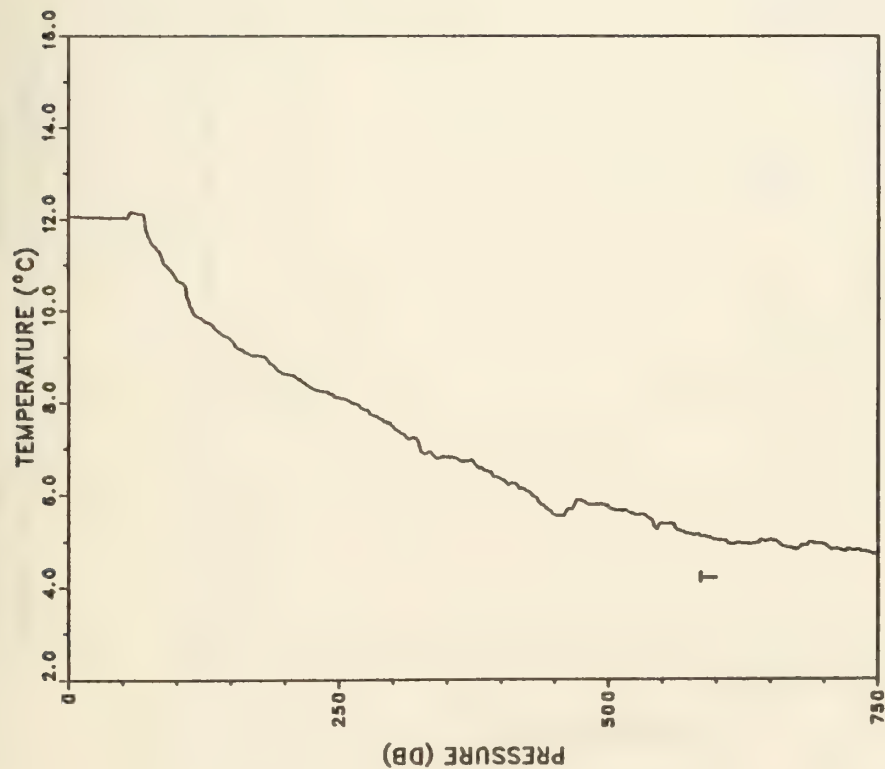
STATION: 904 LAT: 38 0.0 N LON: 124 7.0 W
 DATE: 3/26/87 TIME: 0623Z

PRESS	TEMP	PRESS	TEMP
1	12.145	525	5.550
6	12.125	550	5.310
10	12.120	575	4.950
16	12.100	601	4.900
20	12.110	626	4.765
26	12.095	650	4.535
30	12.095	676	4.470
36	12.105	701	4.445
40	12.100	726	4.425
46	12.100	750	4.400
50	12.120		
60	11.490		
70	11.300		
81	11.105		
91	10.920		
100	10.760		
125	10.275		
151	9.890		
175	9.390		
200	8.970		
225	8.480		
250	8.175		
276	7.875		
300	7.710		
325	7.480		
350	6.970		
376	6.755		
400	6.465		
426	6.290		
450	6.105		
475	5.780		
501	5.570		

PRESS	TEMP	PRESS	TEMP
1	12.360	525	5.120
6	12.355	550	5.030
10	12.335	575	4.850
16	12.340	601	4.625
20	12.330	626	4.520
26	12.320	650	4.450
30	12.310	676	4.385
36	12.315	701	4.350
40	12.320	726	4.330
46	12.305	750	4.320
50	12.300		
60	12.110		
70	11.510		
81	11.045		
91	10.855		
100	10.725		
125	10.115		
151	9.590		
175	9.130		
200	8.900		
225	8.480		
250	8.095		
276	7.795		
300	7.540		
325	7.290		
350	6.940		
376	6.630		
400	6.515		
426	6.205		
450	6.030		
475	5.710		
501	5.425		

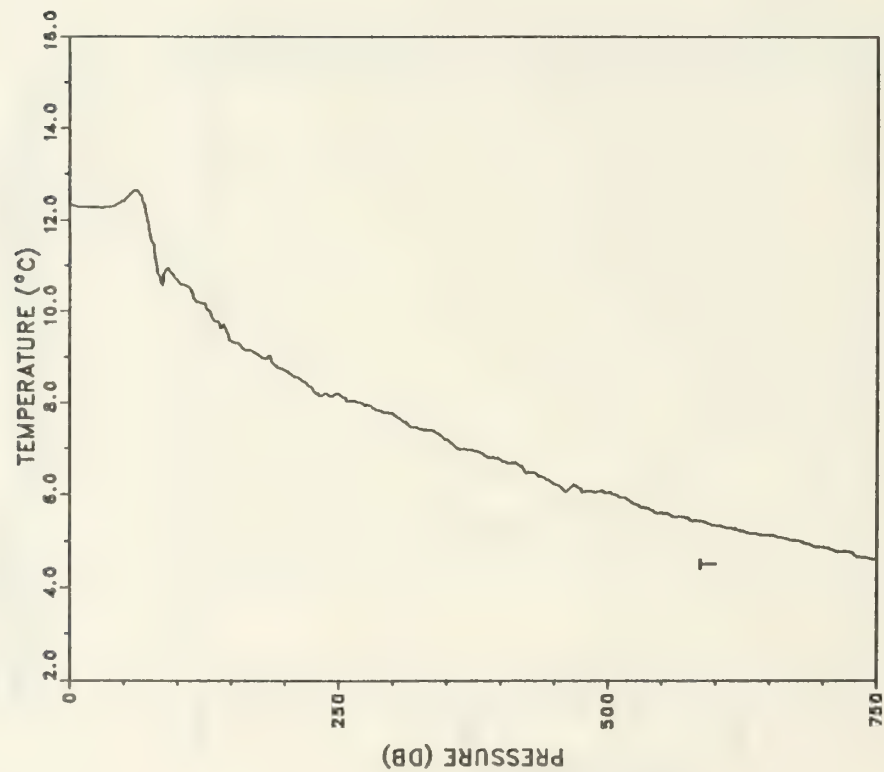


STATION: 903 LAT: 37 53.1 N LON: 124 2.3 W
 DATE: 3/26/87 TIME: 0706Z



STATION: 902 LAT: 37 46.4 N LON: 123 58.3 W
 DATE: 3/26/87 TIME: 0748Z

PRESS	TEMP	PRESS	TEMP
1	12.070	525	5.575
6	12.060	550	5.385
10	12.060	575	5.155
16	12.040	601	5.030
20	12.050	626	4.945
26	12.040	650	5.015
30	12.030	676	4.815
36	12.035	701	4.920
40	12.040	726	4.800
46	12.030	750	4.690
50	12.035		
60	12.150		
70	12.050		
81	11.380		
91	10.960		
100	10.680		
125	9.800		
151	9.360		
175	9.020		
200	8.625		
225	8.310		
250	8.100		
276	7.840		
300	7.480		
325	7.040		
350	6.820		
376	6.665		
400	6.340		
426	6.070		
450	5.570		
475	5.870		
501	5.710		



PRESS	TEMP
525	5.800
550	5.615
575	5.495
601	5.330
626	5.215
650	5.130
676	5.015
701	4.870
726	4.760
750	4.620

PRESS	TEMP
1	12.325
6	12.305
10	12.290
16	12.285
20	12.290
26	12.270
30	12.265
36	12.290
40	12.300
46	12.375
50	12.415
60	12.640
70	12.260
81	10.985
91	10.950
100	10.680
125	10.170
151	9.330
175	9.050
200	8.705
225	8.320
250	8.195
276	7.955
300	7.760
325	7.430
350	7.200
376	6.955
400	6.740
426	6.485
450	6.225
475	6.120
501	6.035

STATION: 901 LAT: 37 38.3 N LON: 123 52.8 W
 DATE: 3/26/87 TIME: 0841Z

REFERENCES

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